

Program Complot  
(Version 2021-1)

by

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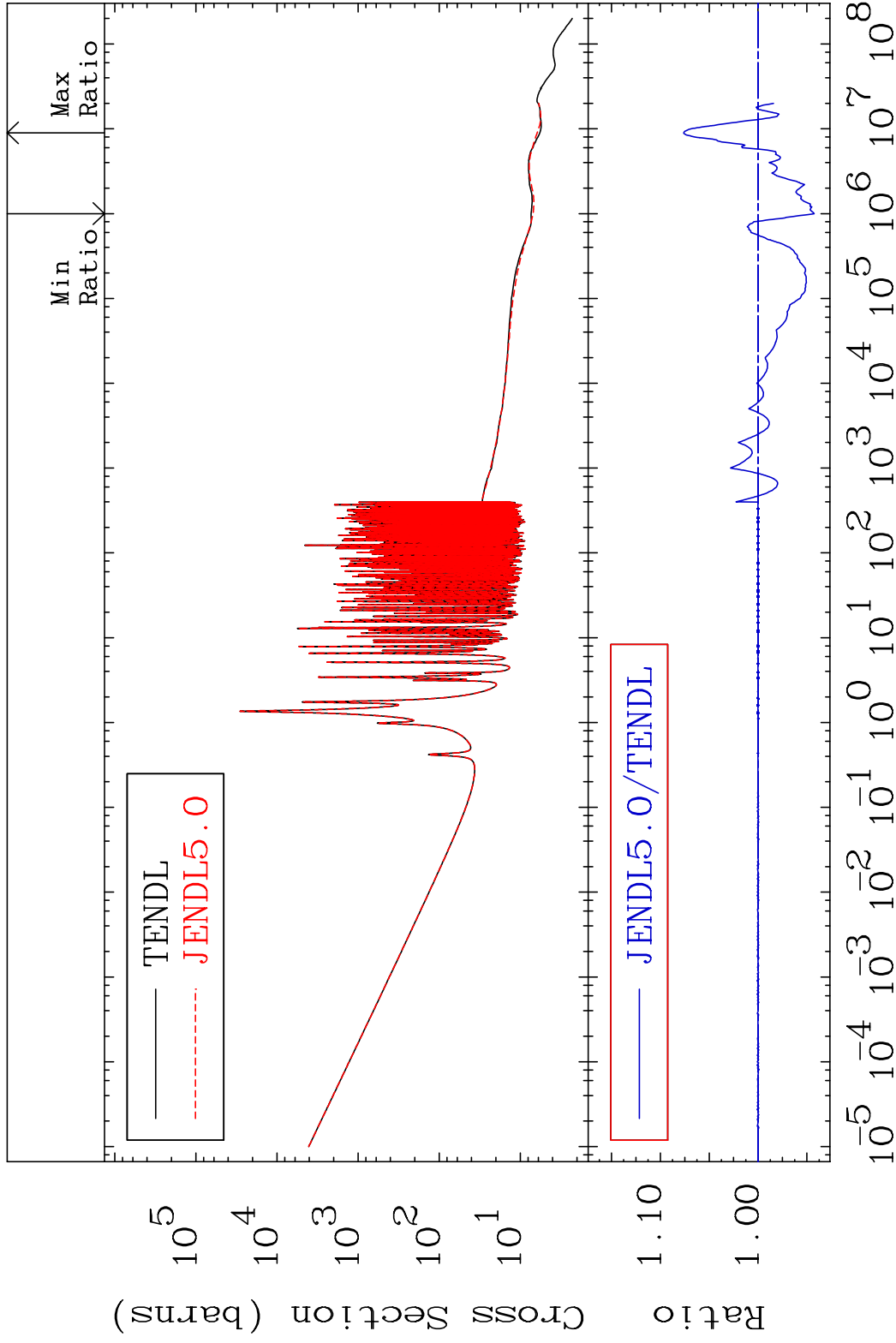
Press Mouse Button to Start

MAT 9549

Total

95-Am-243

Cross Section -5.741 To 7.613 %



1

Incident Energy (eV)

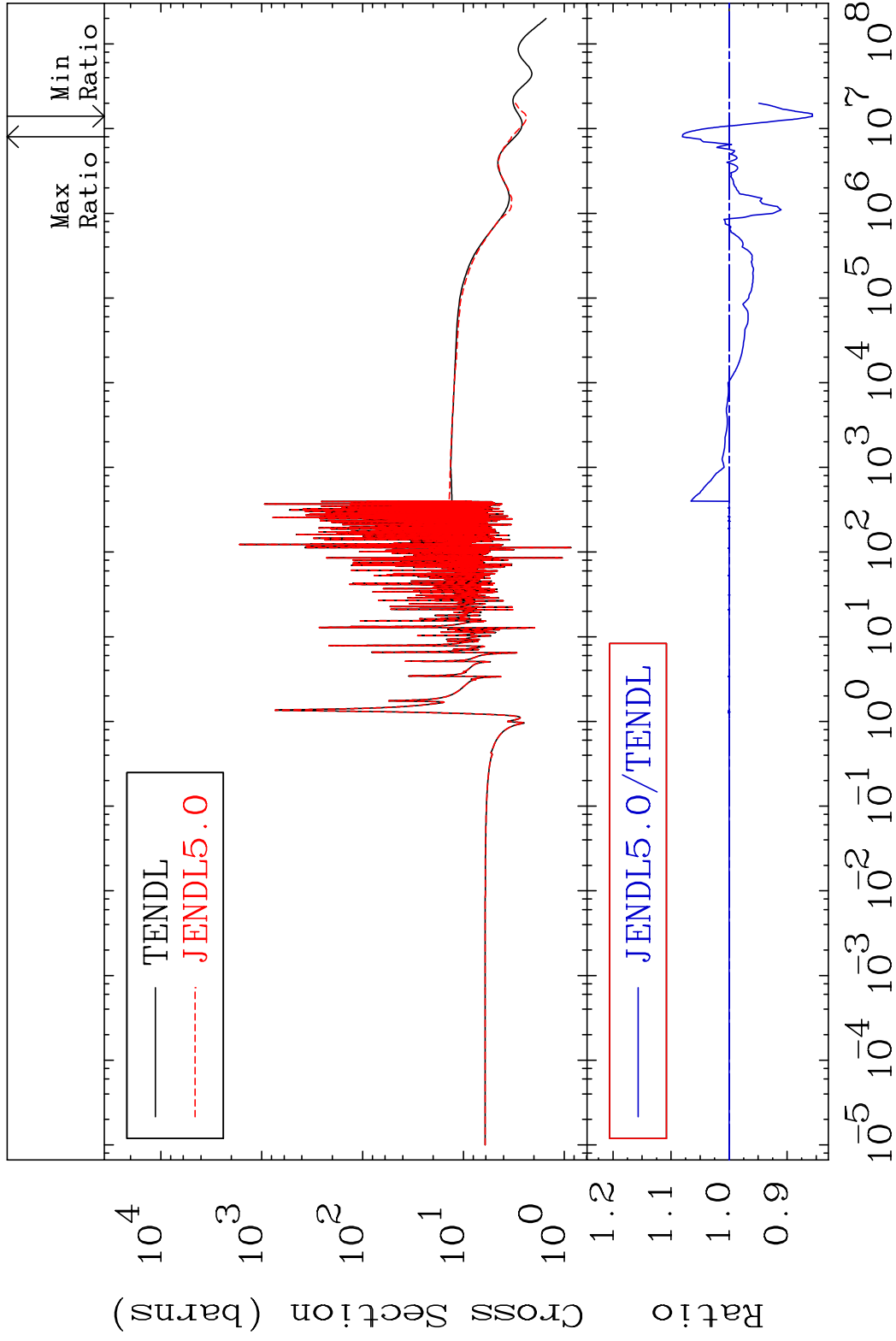
95-Am-243

MAT 9549

Elastic

95-Am-243

Cross Section -14.37 To 8.050 %

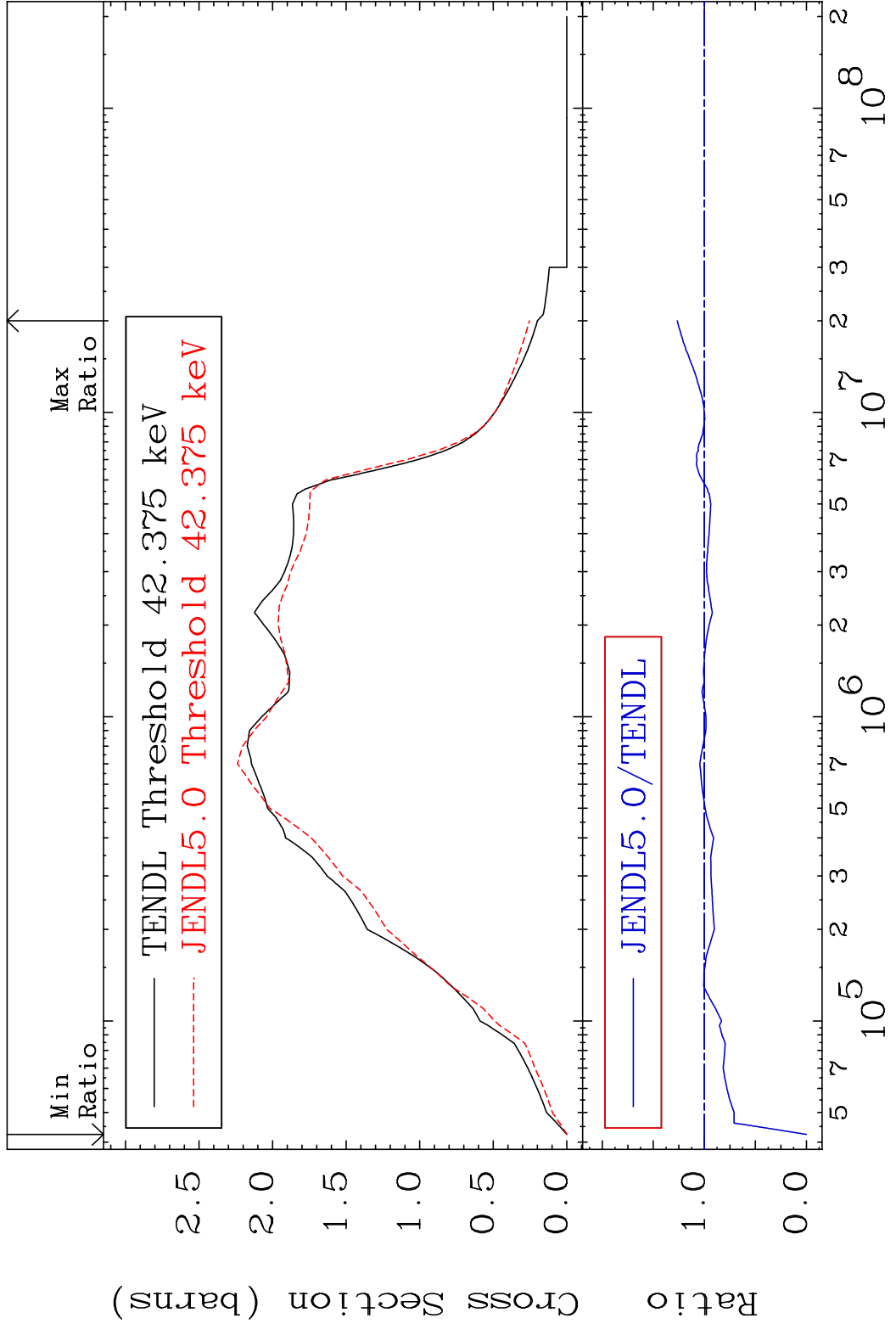


2

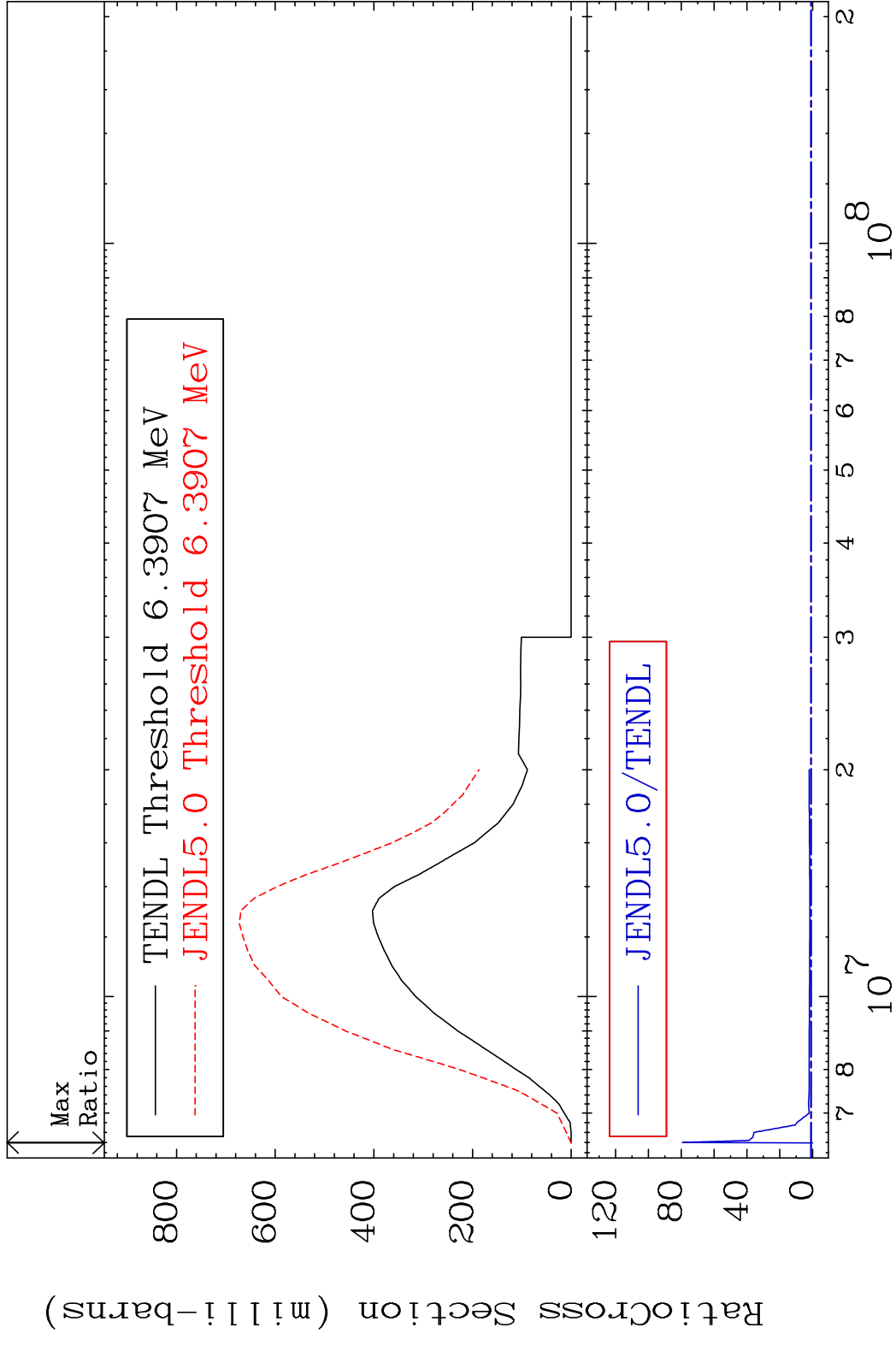
Incident Energy (eV)

95-Am-243

MAT 9549                      Inelastic                      95-Am-243  
Cross Section                      -100.0 To 26.62 %

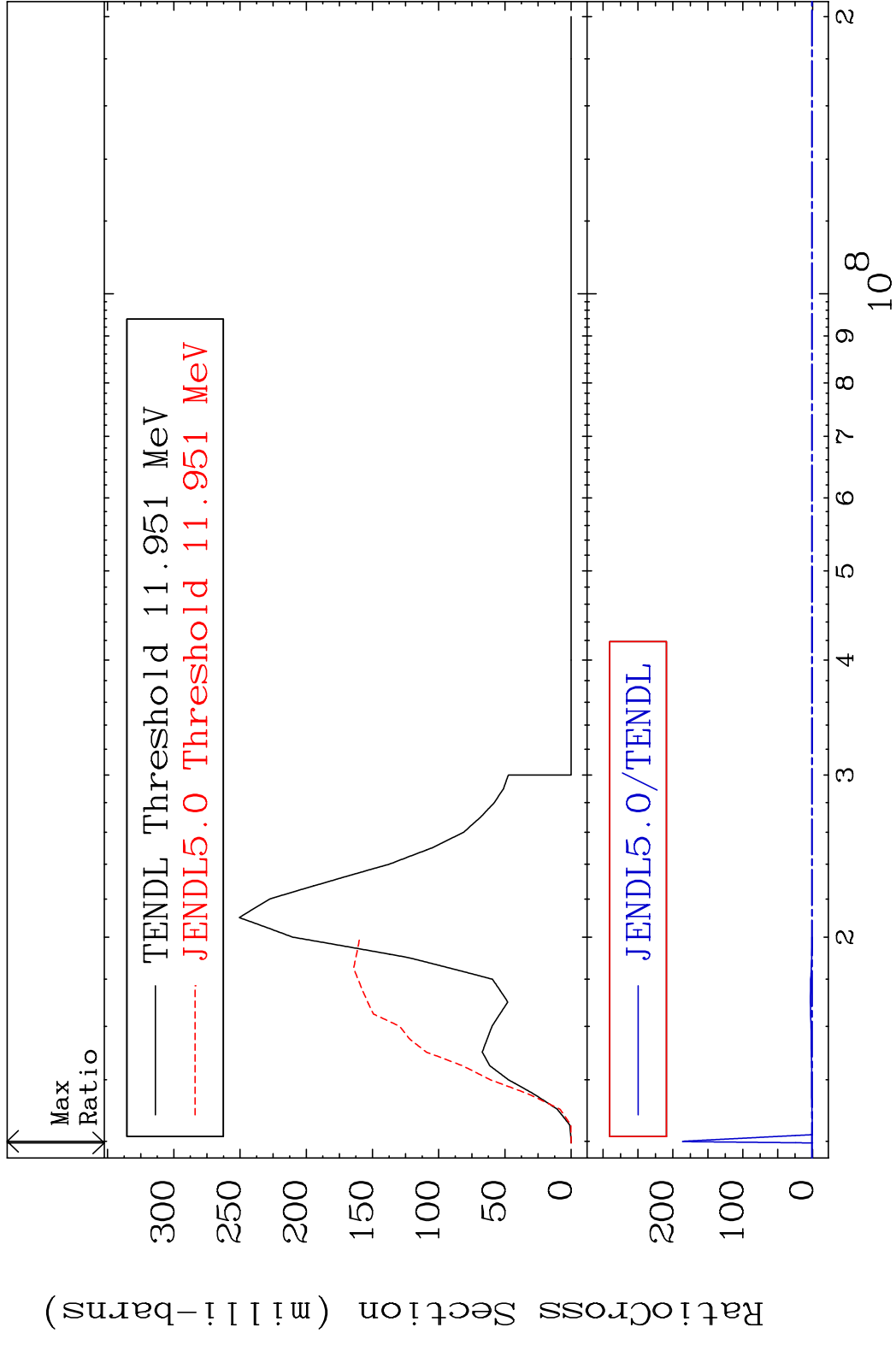


MAT 9549 (n,2n) 95-Am-243  
Cross Section -100.0 To 7828. %



4 7 8 10<sup>7</sup> 2 3 4 5 6 7 8 10<sup>8</sup> 2  
95-Am-243

MAT 9549 (n,3n) 95-Am-243  
 Cross Section -100.0 To 9999. %



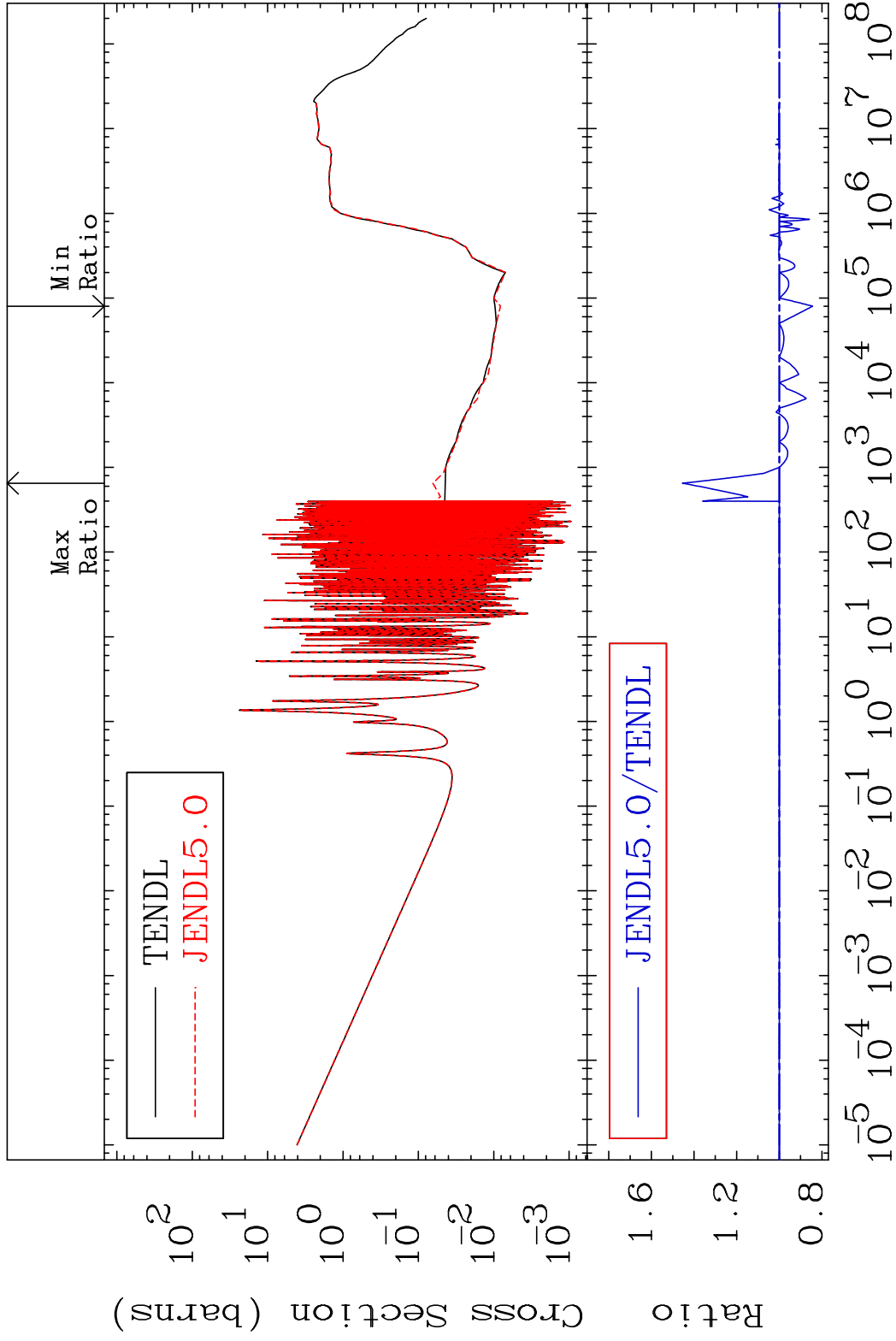
5 Incident Energy (eV) 95-Am-243

MAT 9549

Fission

95-Am-243

Cross Section -15.63 To 45.48 %



6

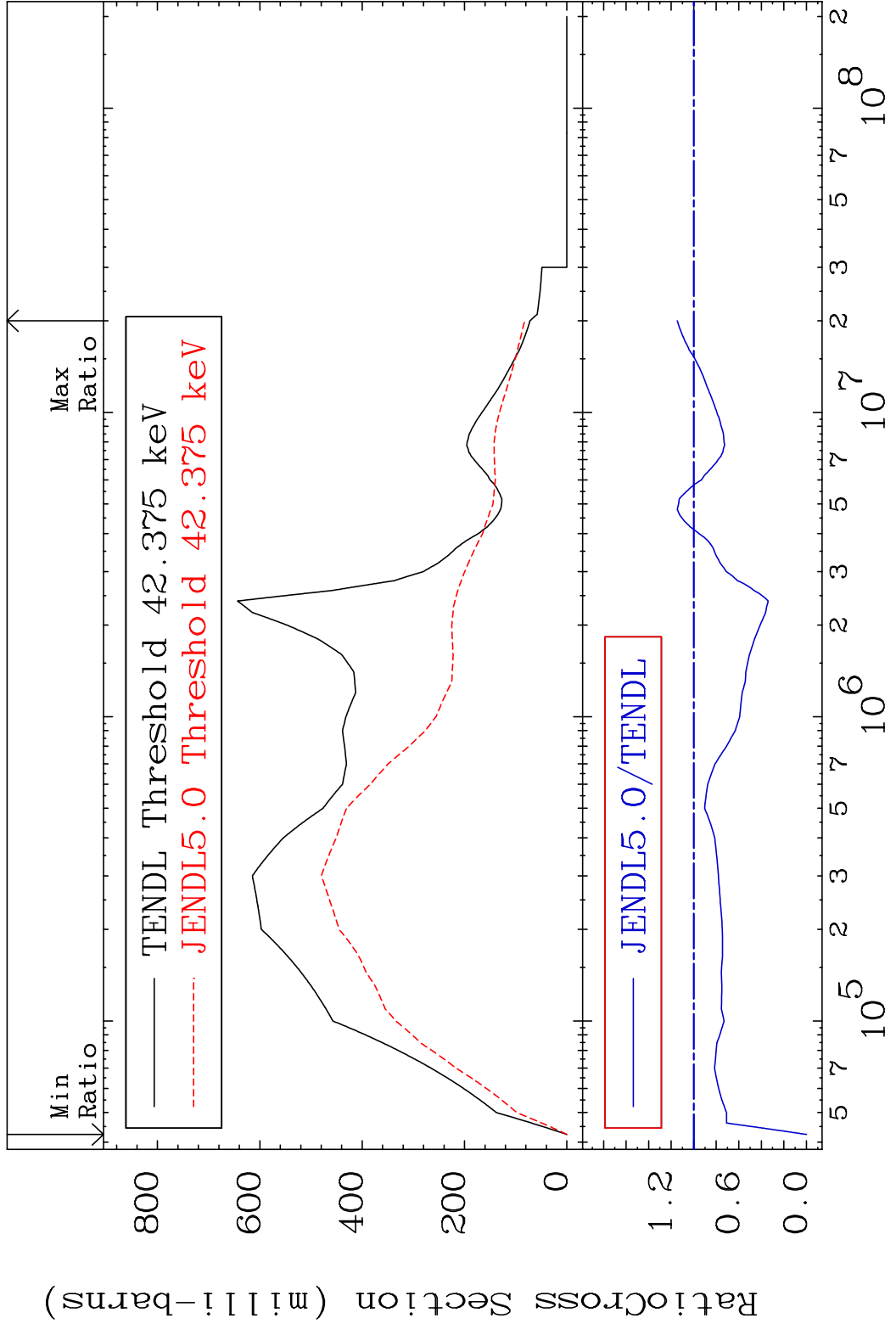
Incident Energy (eV)

95-Am-243

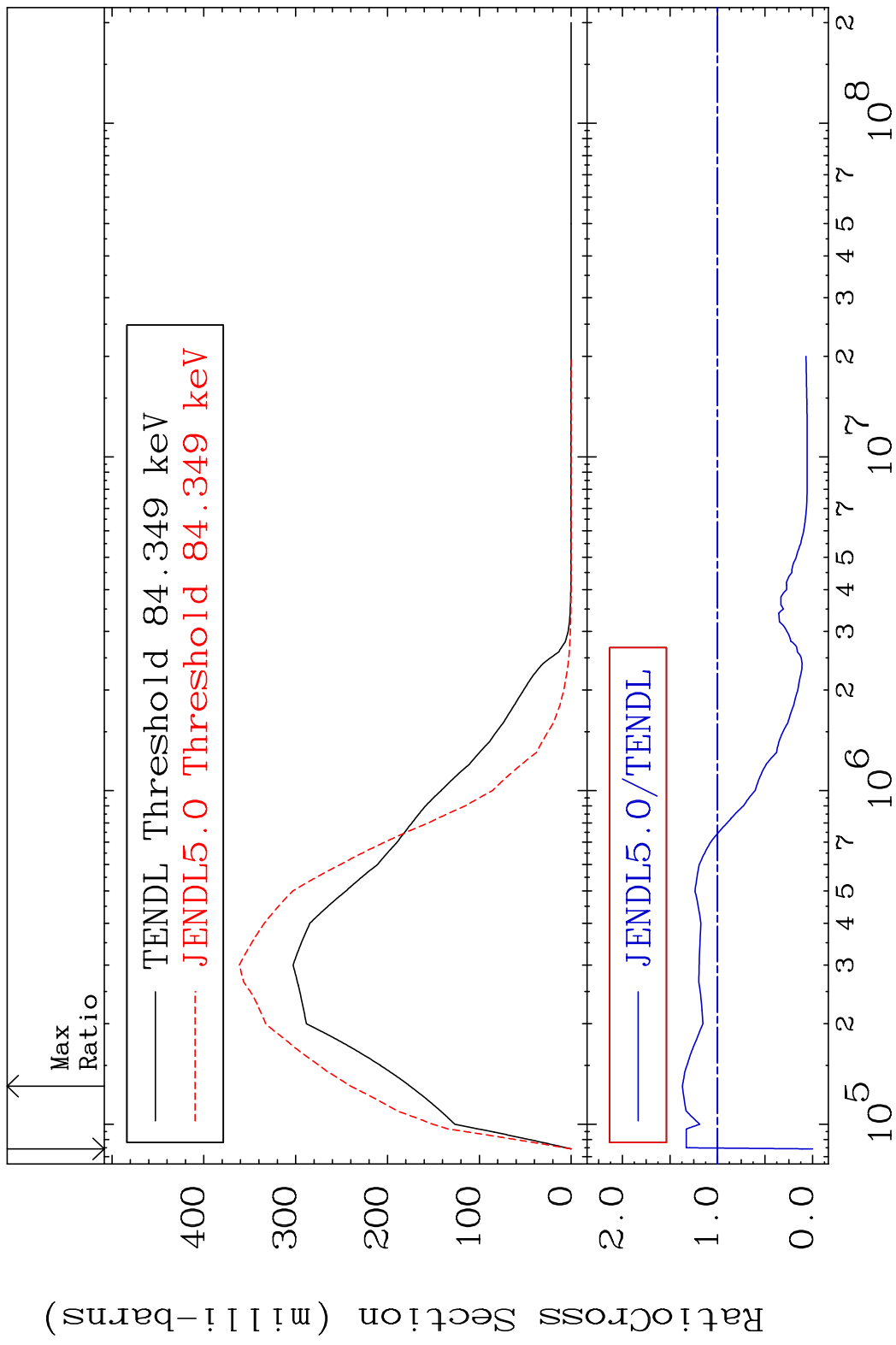




MAT 9549 MT= 51 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 14.66 %

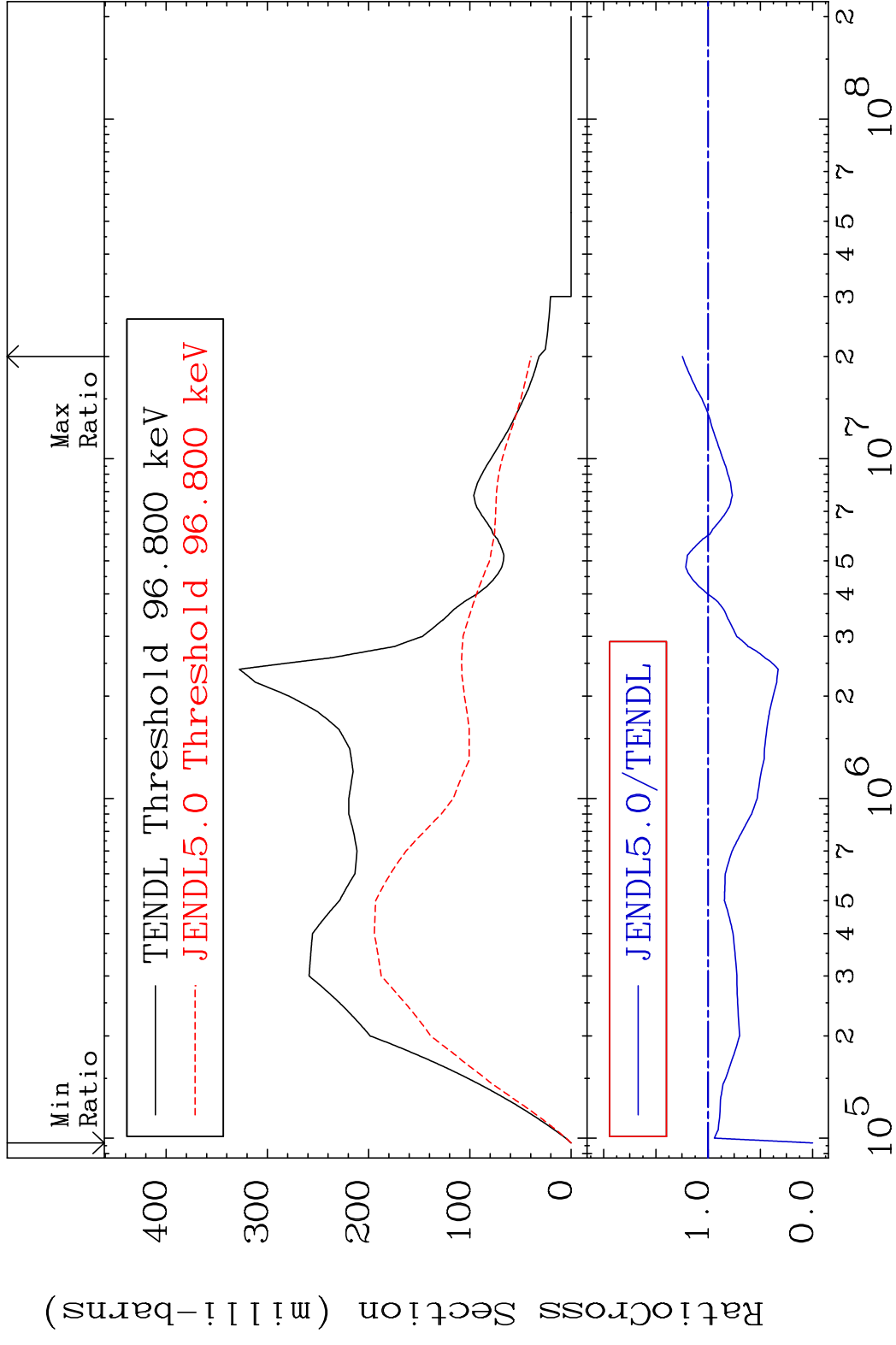


MAT 9549 MT= 52 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 36.98 %

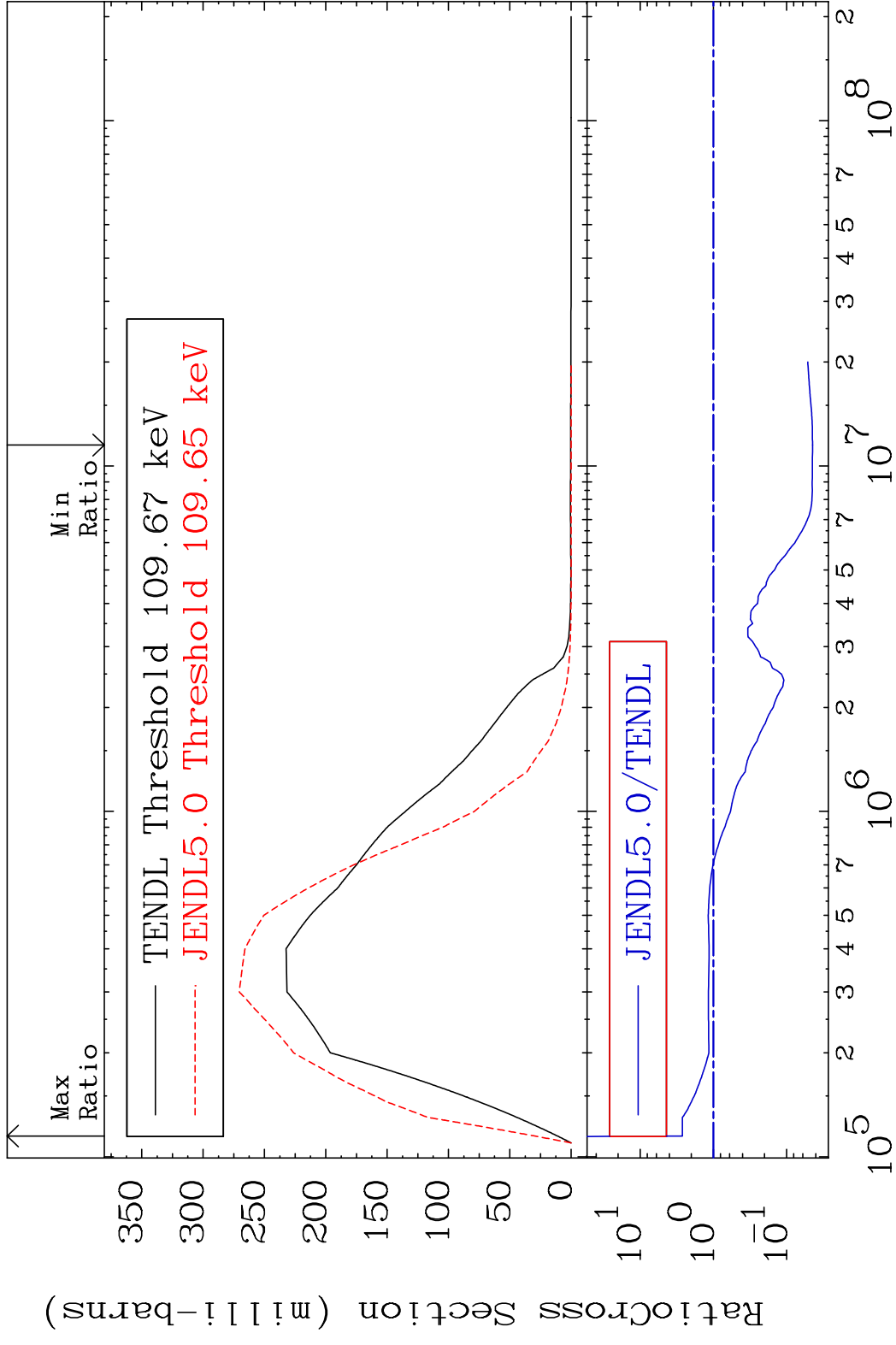


9 Incident Energy (eV) 95-Am-243

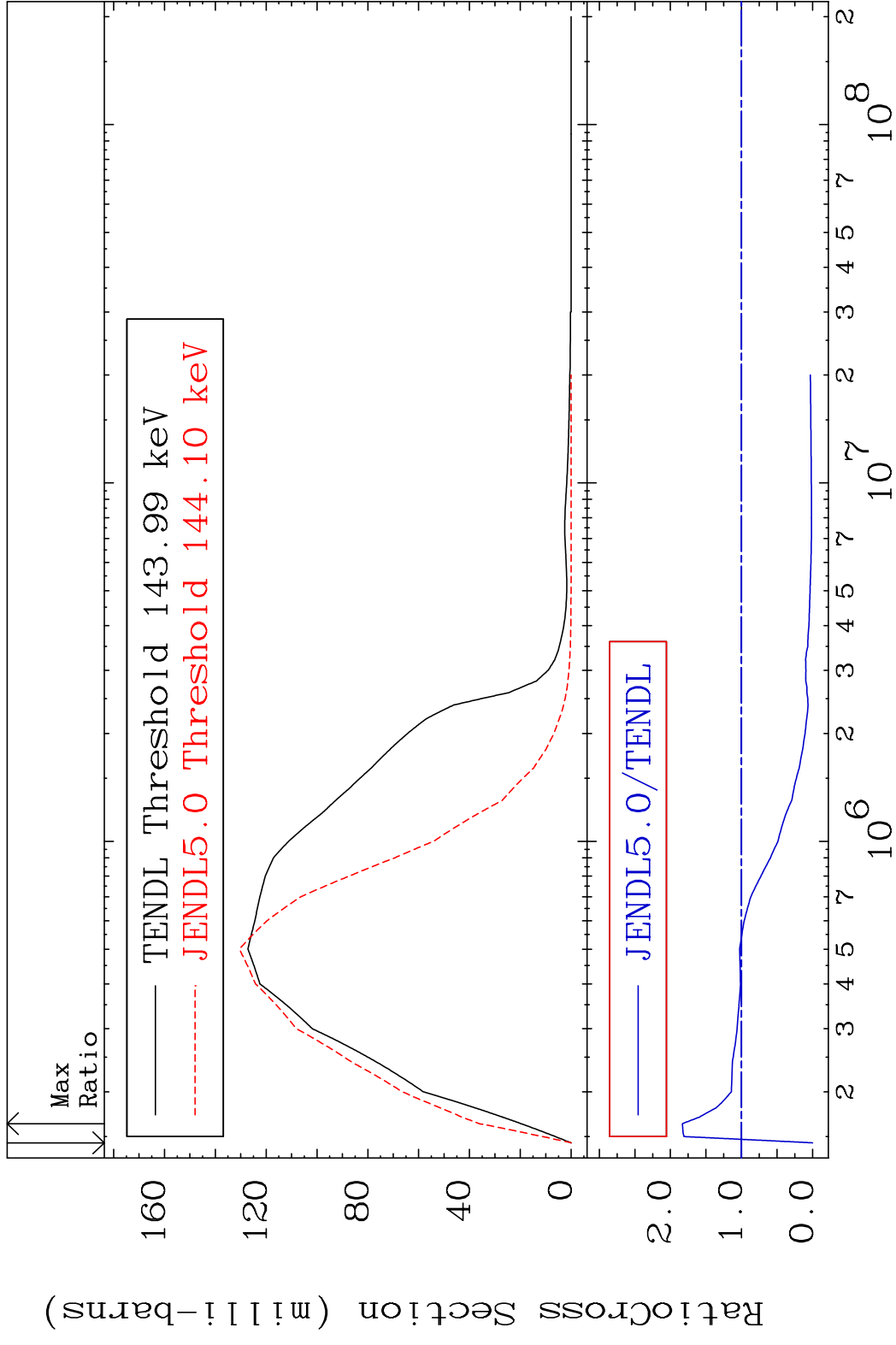
MAT 9549 MT= 53 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 24.66 %



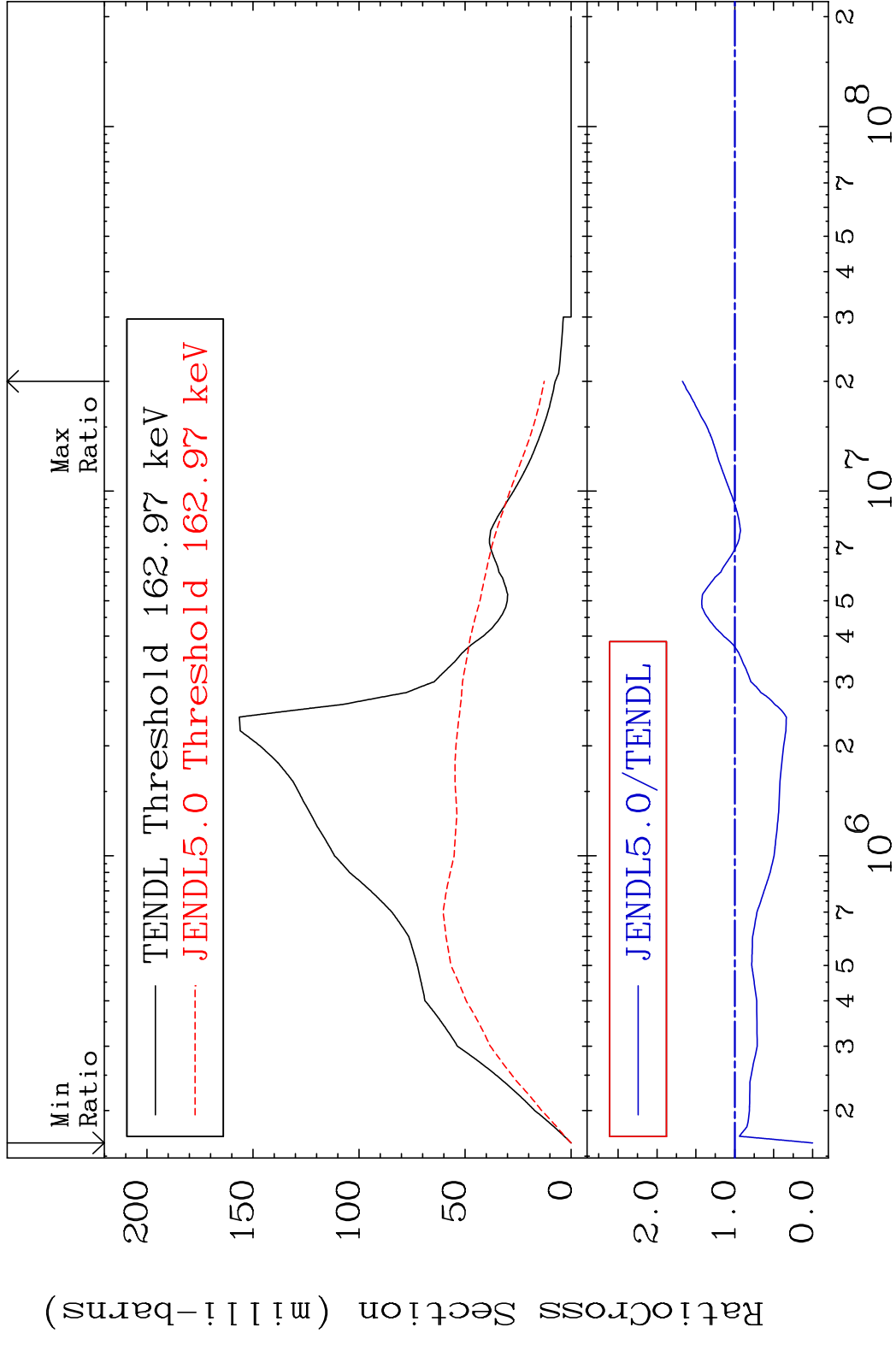
MAT 9549 MT= 54 (n, n') Level 95-Am-243  
 Cross Section -95.57 To 165.5 %



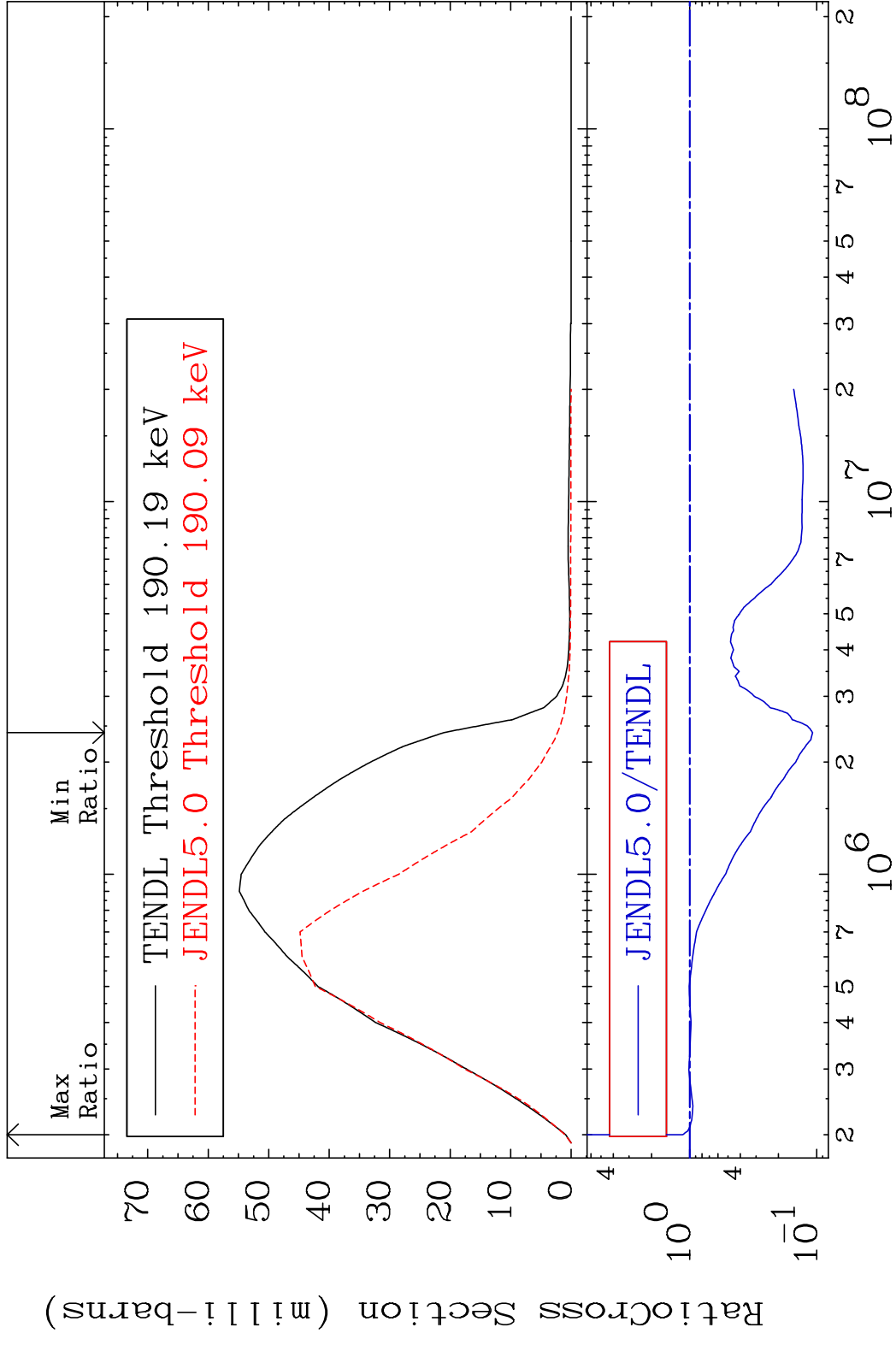
MAT 9549 MT= 55 (n,n') Level 95-Am-243  
 Cross Section -100.0 To 83.18 %



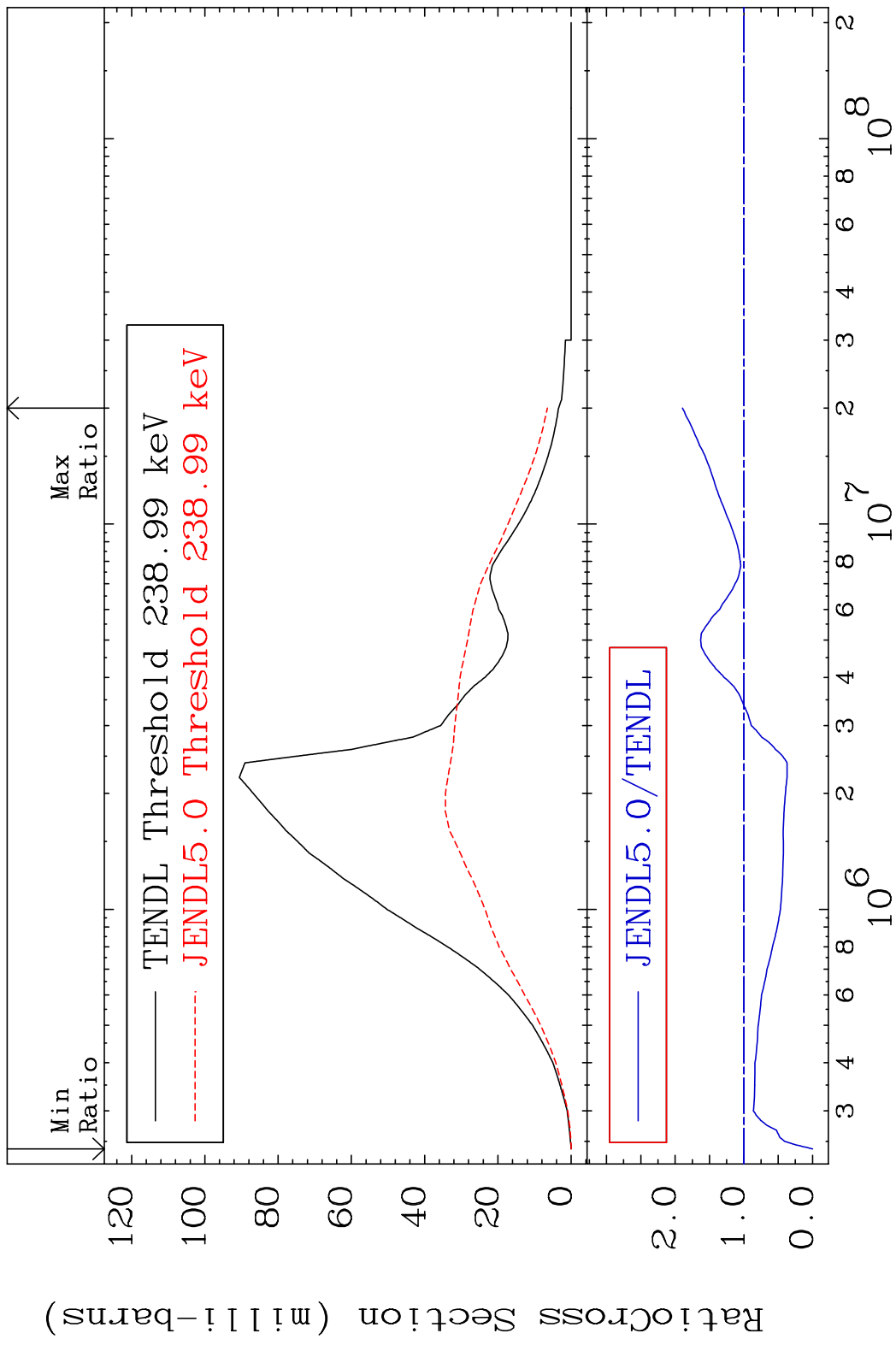
MAT 9549 MT= 56 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 67.39 %



MAT 9549 MT= 57 (n, n') Level 95-Am-243  
 Cross Section -89.22 To 14.29 %

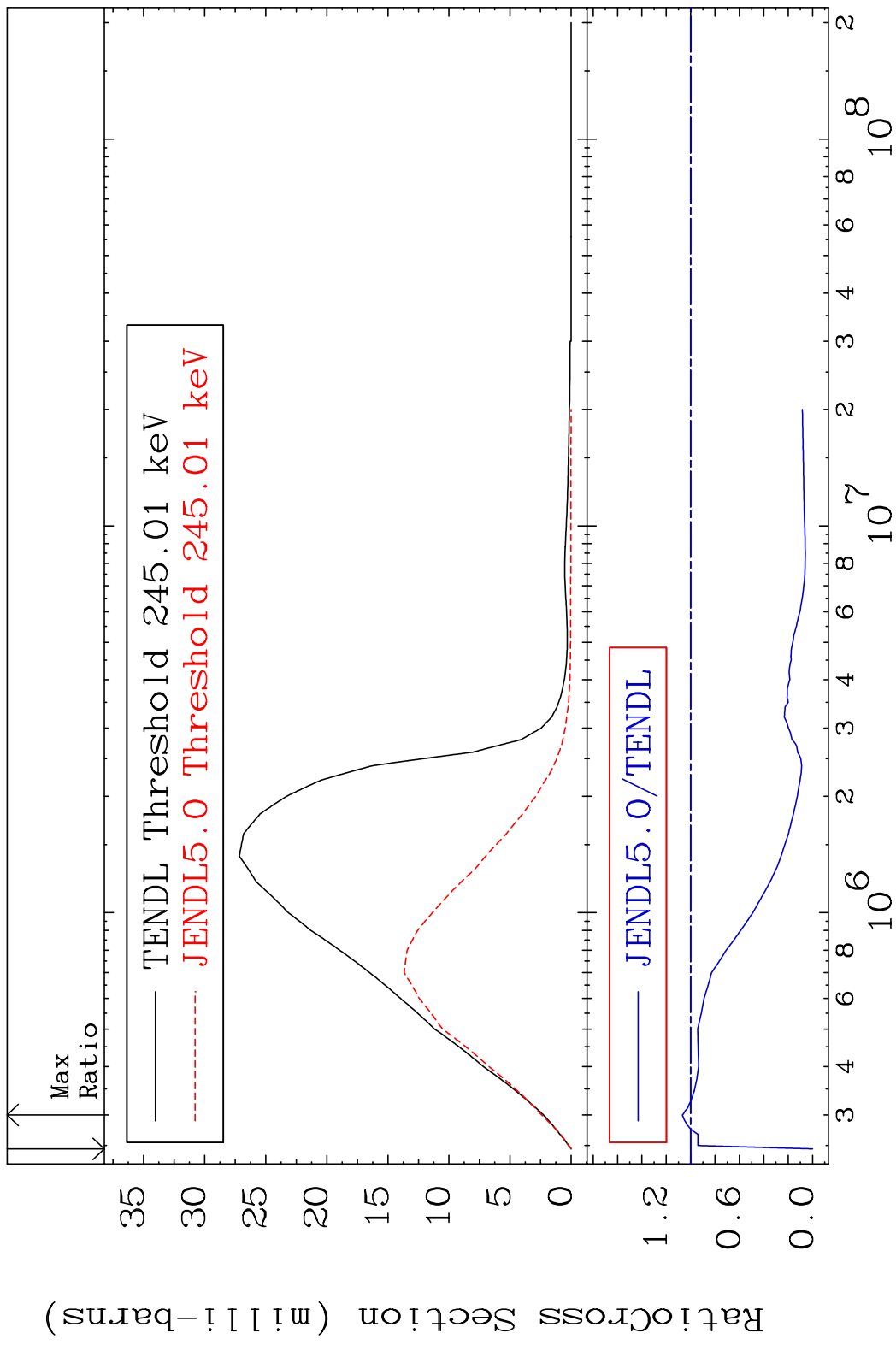


MAT 9549 MT= 58 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 89.52 %

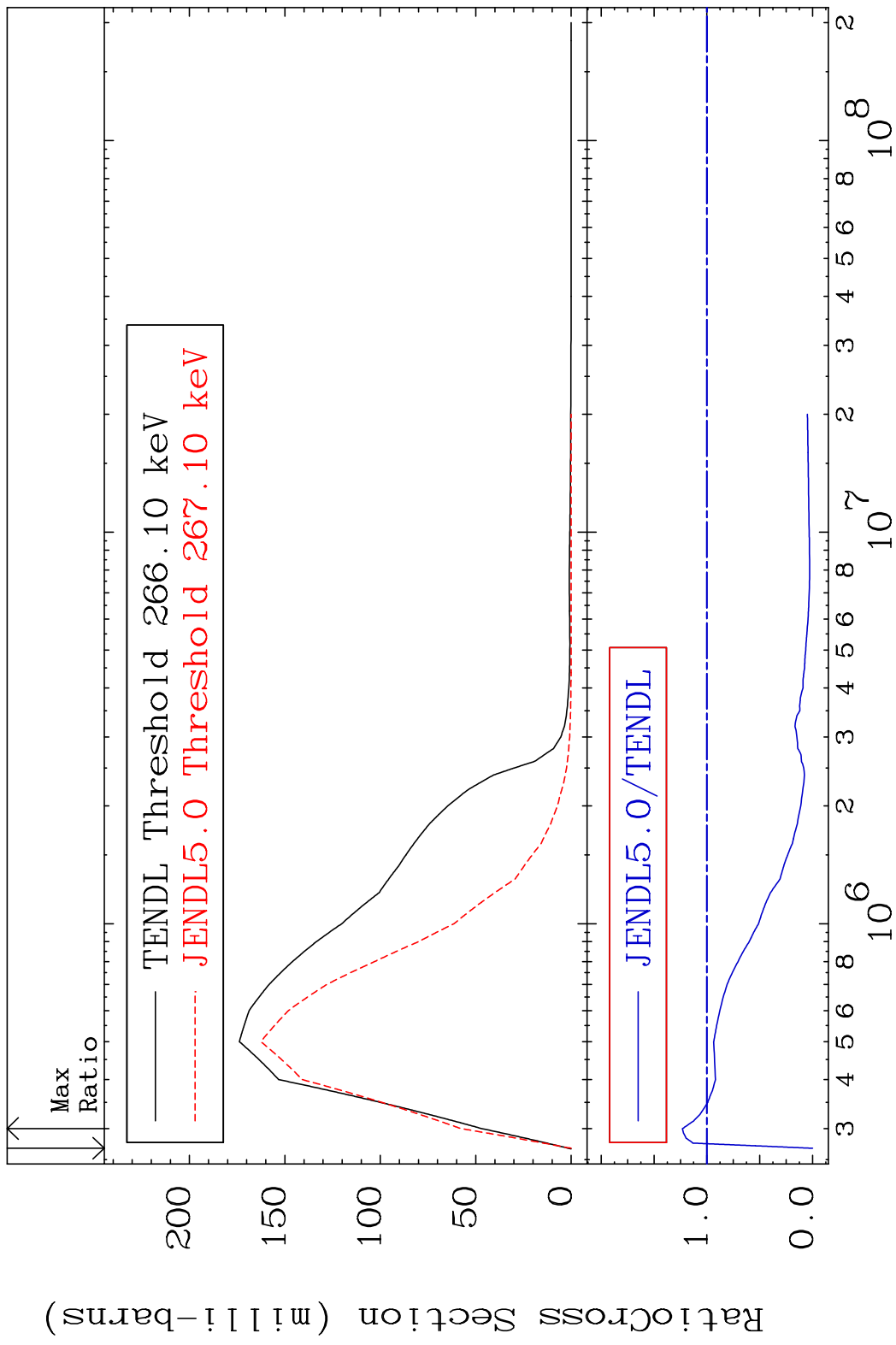




MAT 9549 MT= 59 (n,n') Level 95-Am-243  
 Cross Section -100.0 To 6.810 %



MAT 9549 MT= 60 (n, n') Level 95-Am-243  
 Cross Section -100.0 To 23.21 %

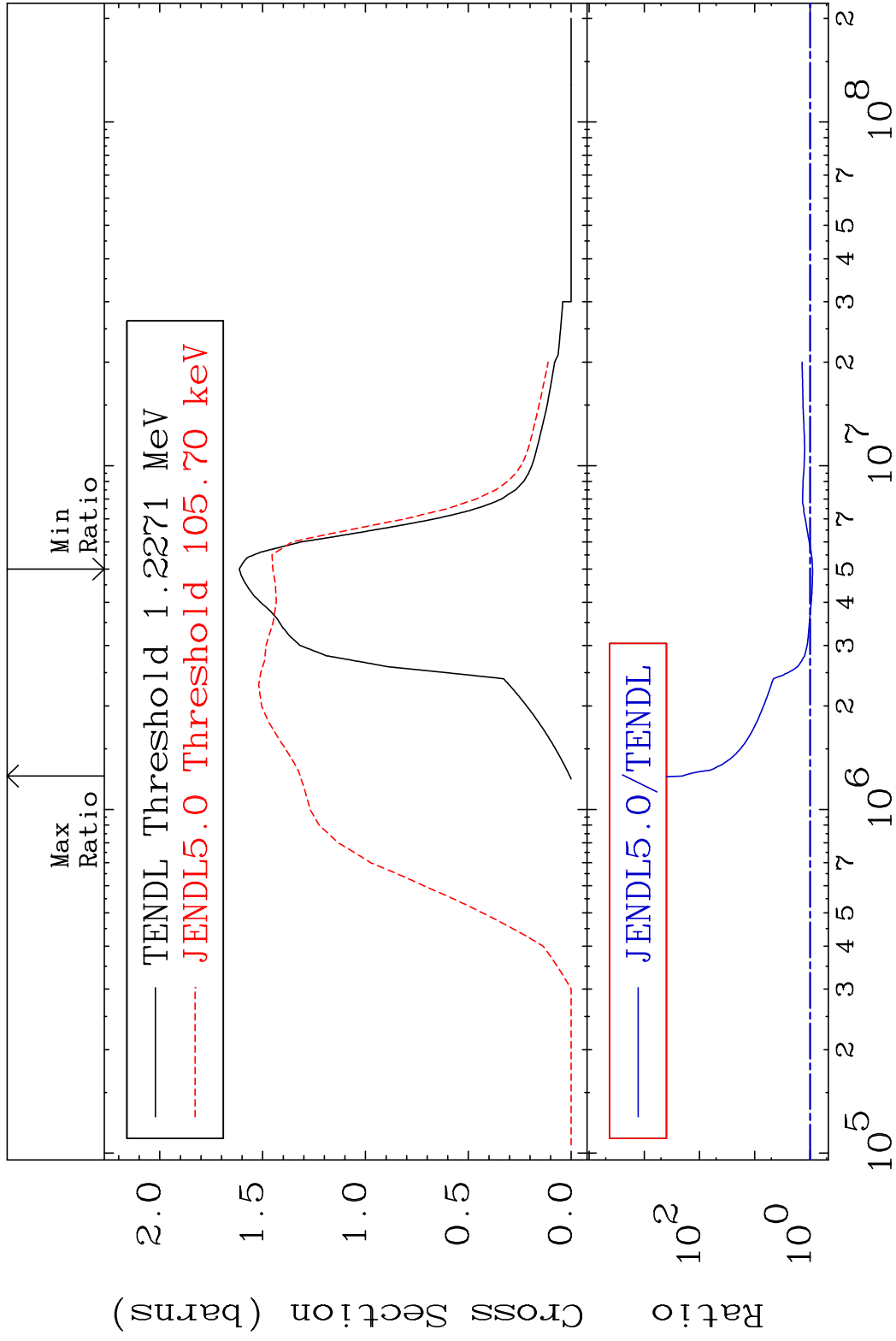


MAT 9549

(n, n') Continuum

95-Am-243

Cross Section -10.09 To 9999. %



18

Incident Energy (eV)

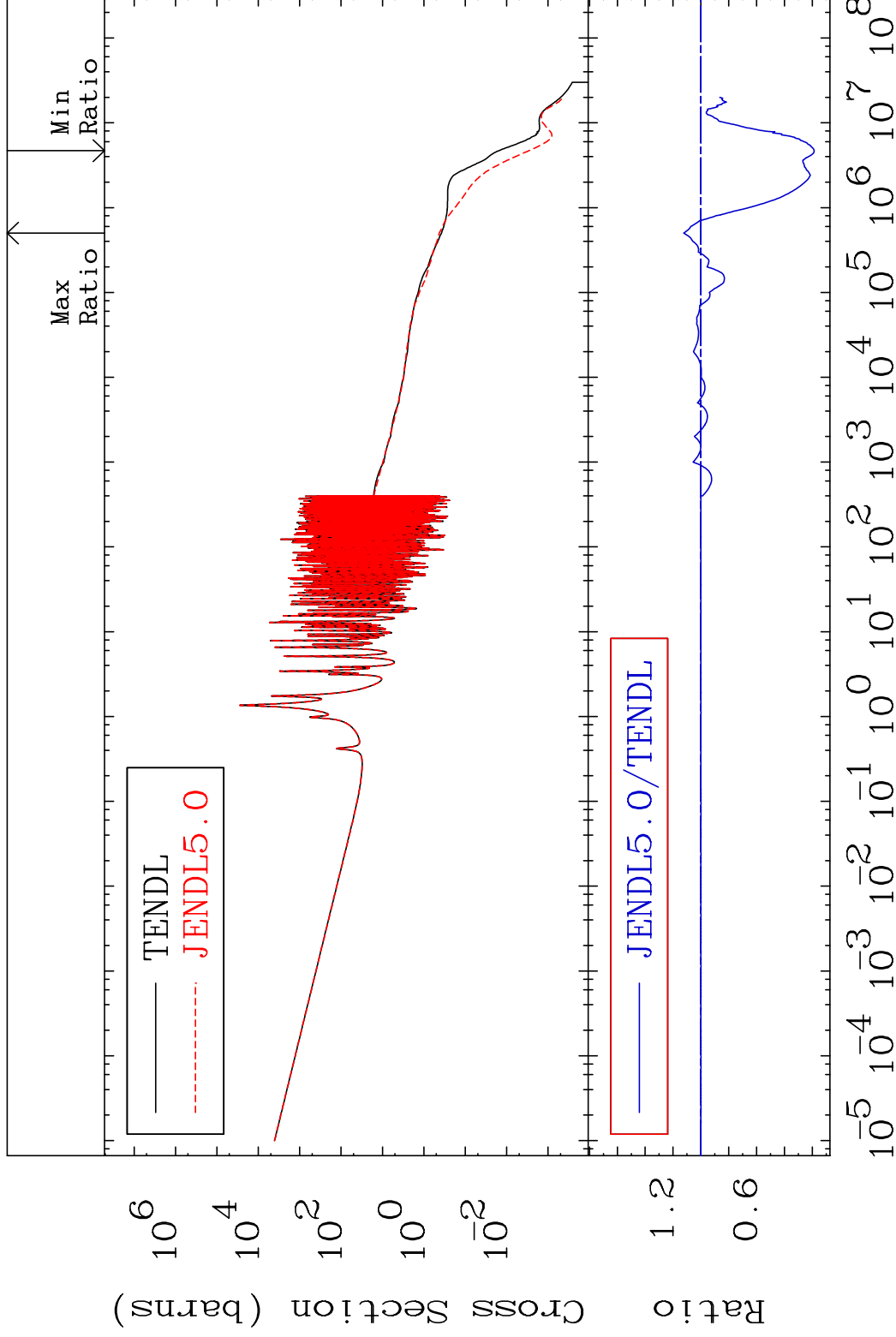
95-Am-243

MAT 9549

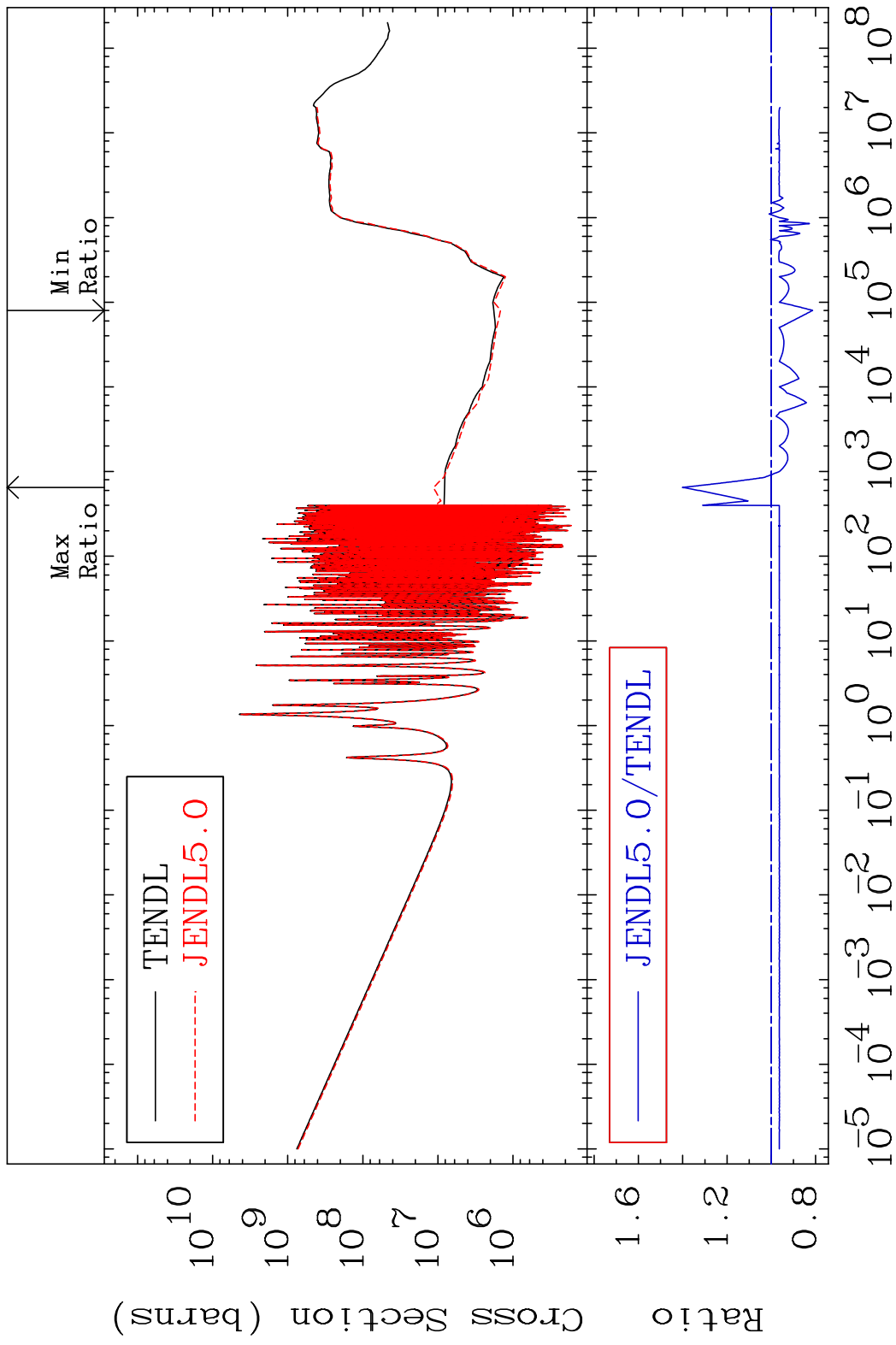
(n,  $\gamma$ )

95-Am-243

Cross Section -81.29 To 12.38 %



MAT 9549 Kerma total (eV-barns) 95-Am-243  
 Cross Section -18.65 To 40.17 %

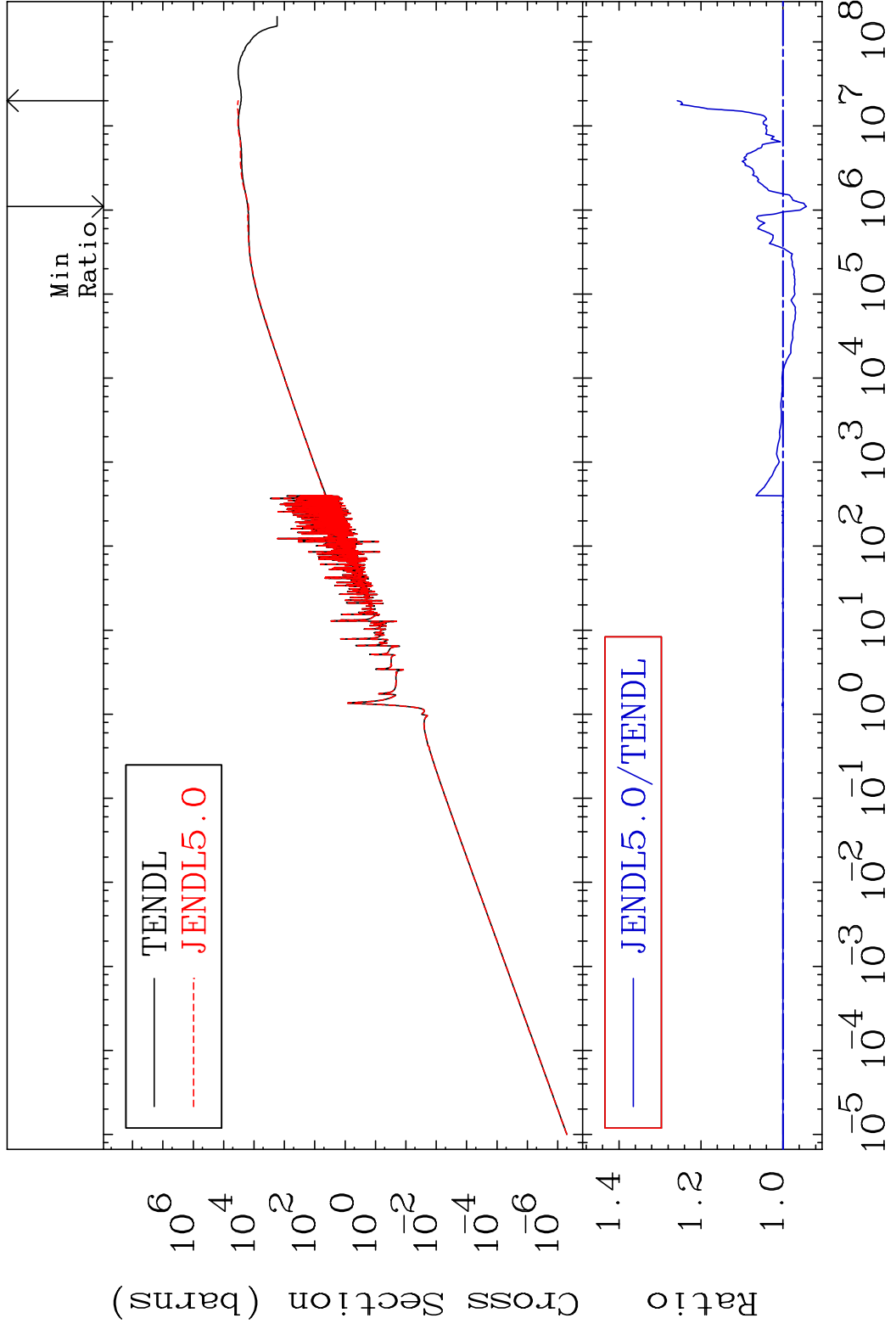


20 Incident Energy (eV) 95-Am-243

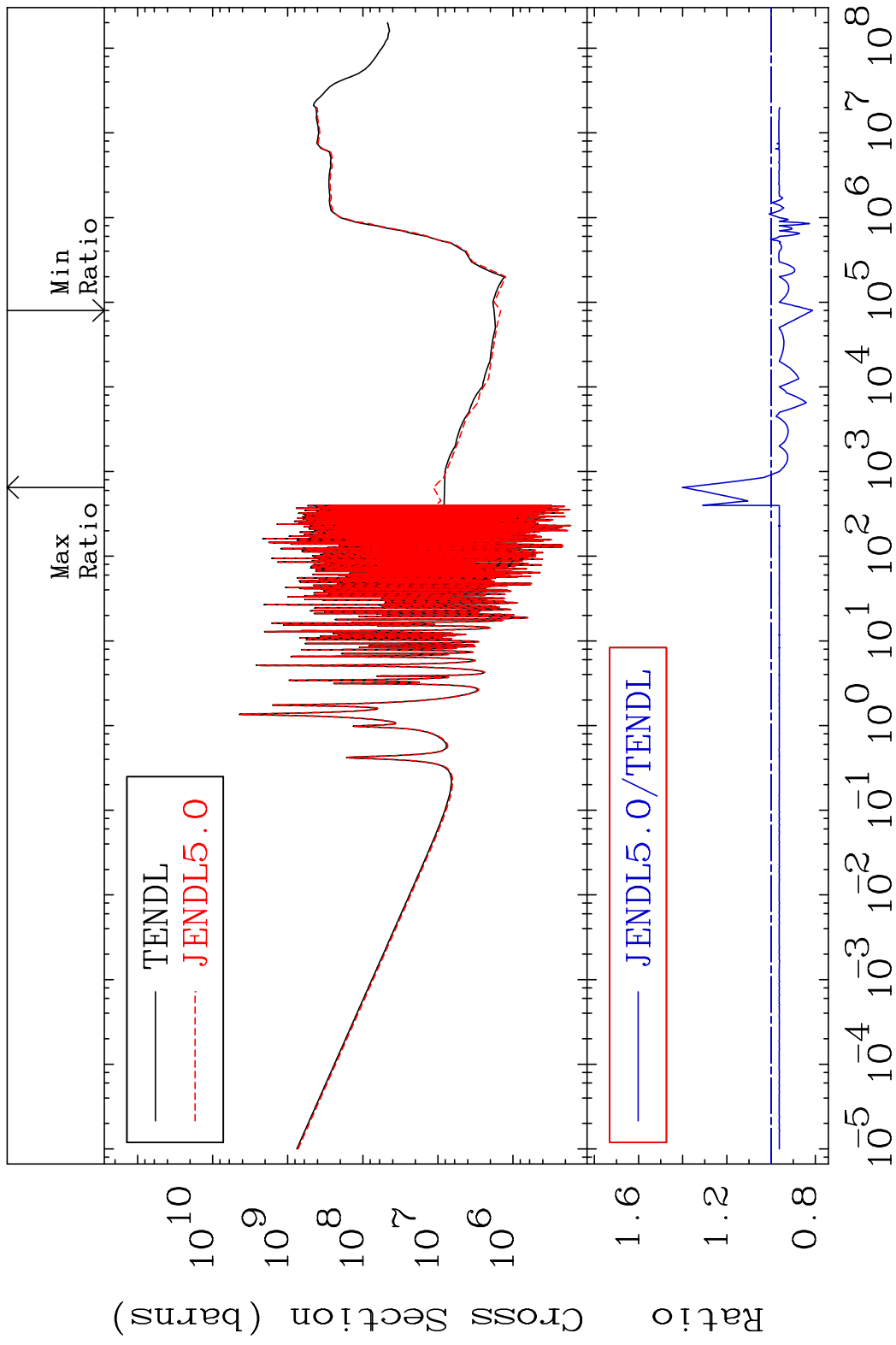
MAT 9549

Kerma elastic  
Cross Section -5.741 To 25.79 %

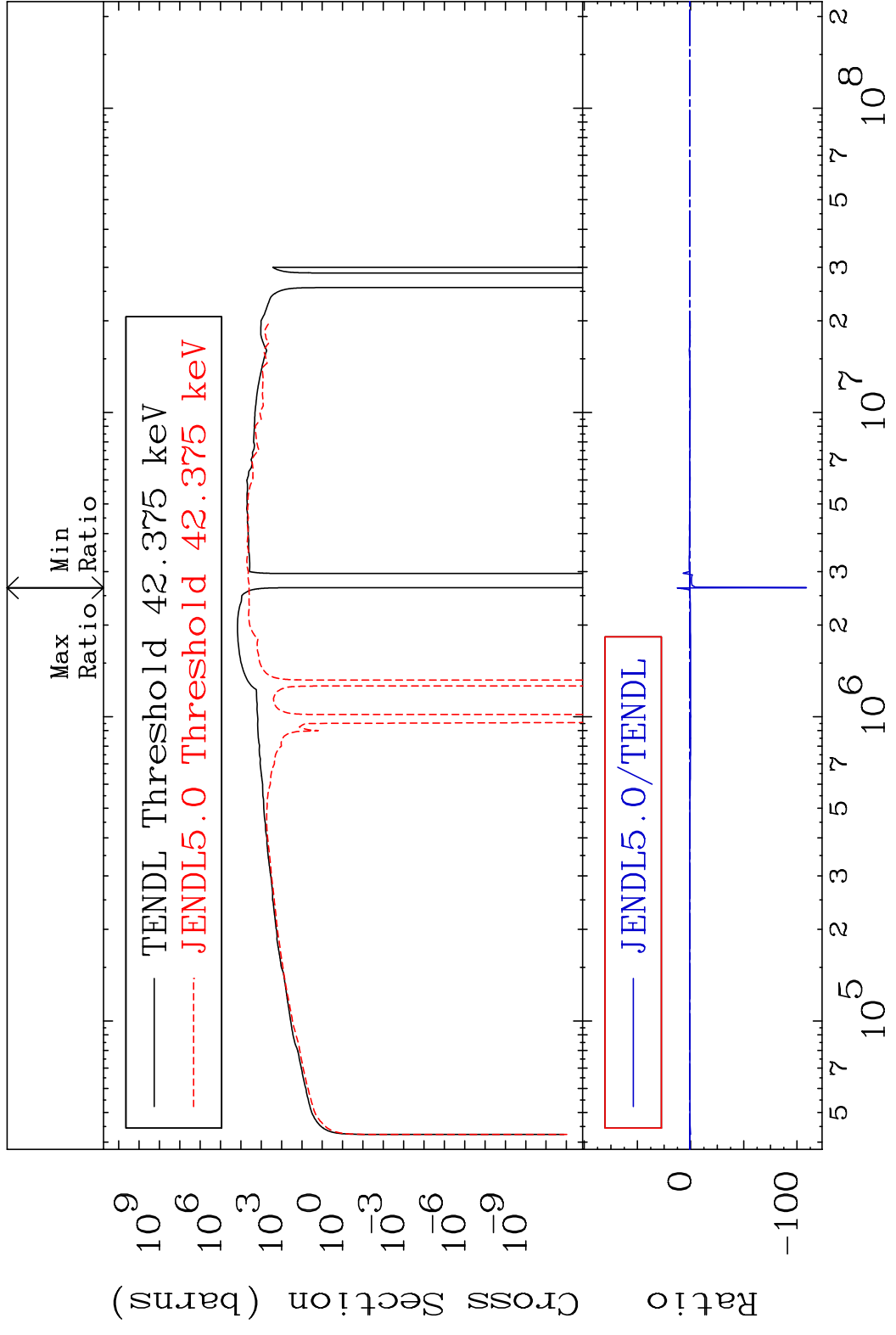
95-Am-243



MAT 9549 Kerma non-elastic (all but mt2) 95-Am-243  
Cross Section -18.71 To 40.17 %

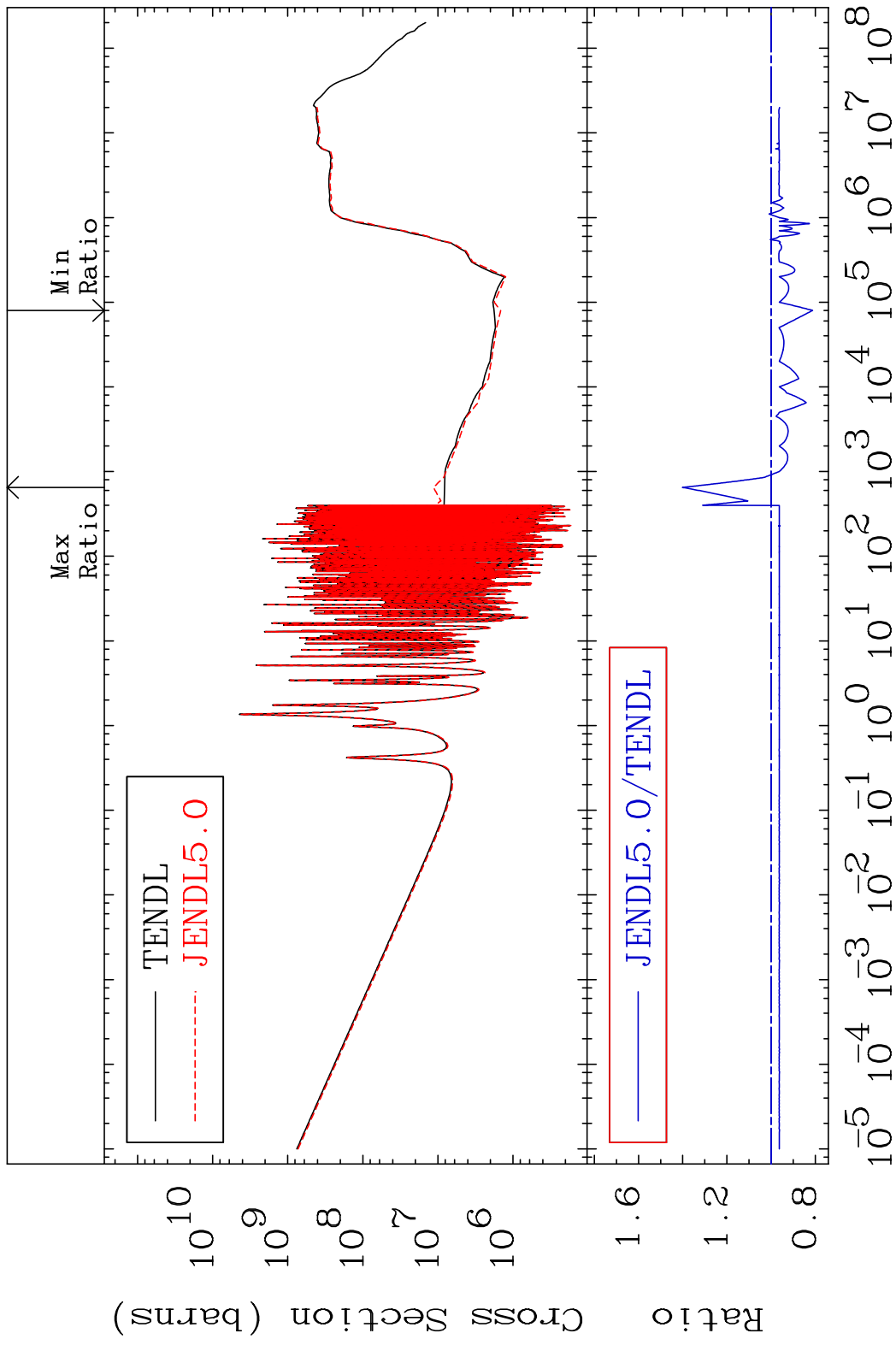


MAT 9549 Kerma inelastic (mt51-91) 95-Am-243  
 Cross Section -9999. To 1165. %



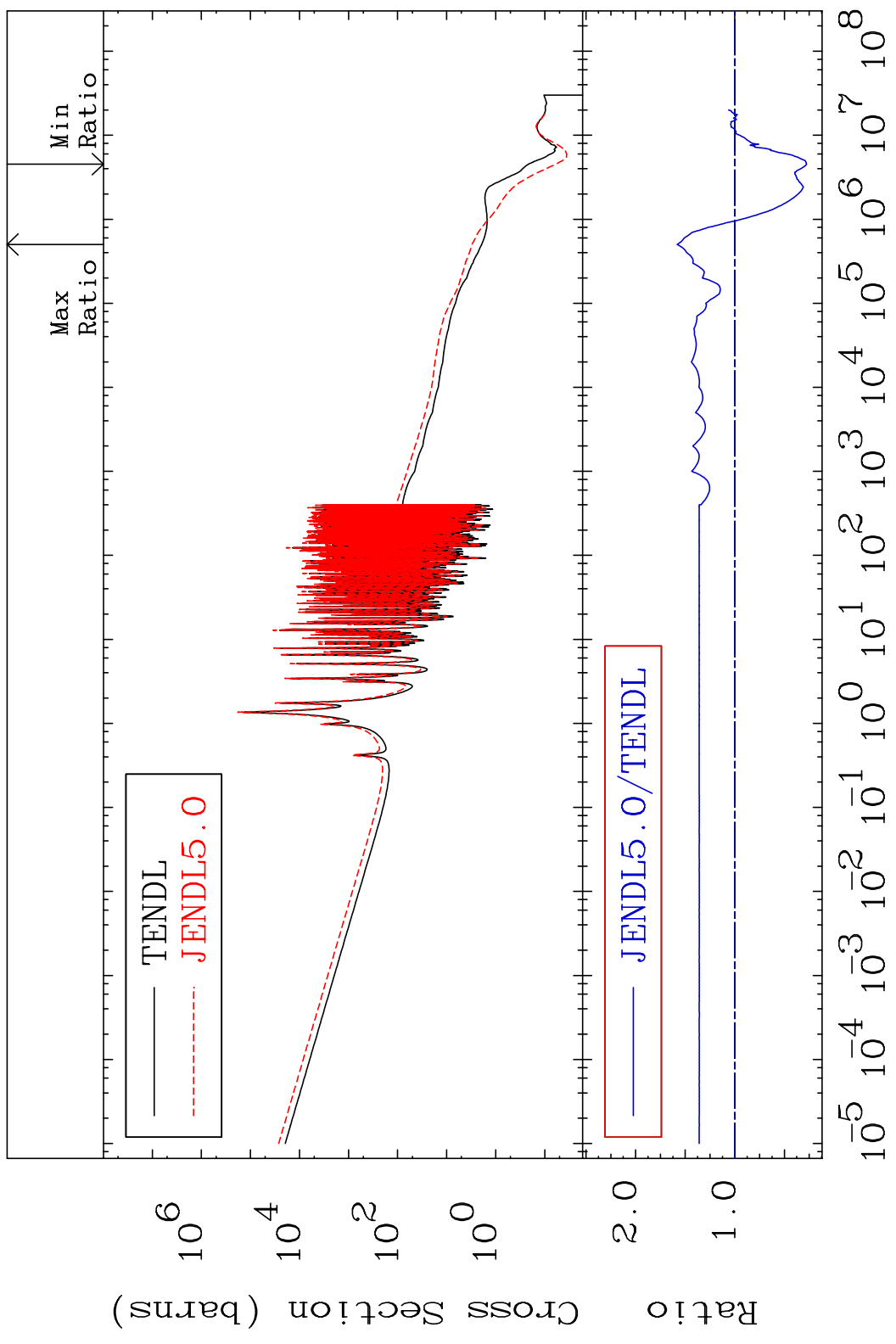


MAT 9549 Kerma fission (mt18 or mt19-20-21-38) 95-Am-243  
 Cross Section -18.71 To 40.17 %



MAT 9549

Kerma capture (mt102) 95-Am-243  
Cross Section -72.16 To 58.09 %

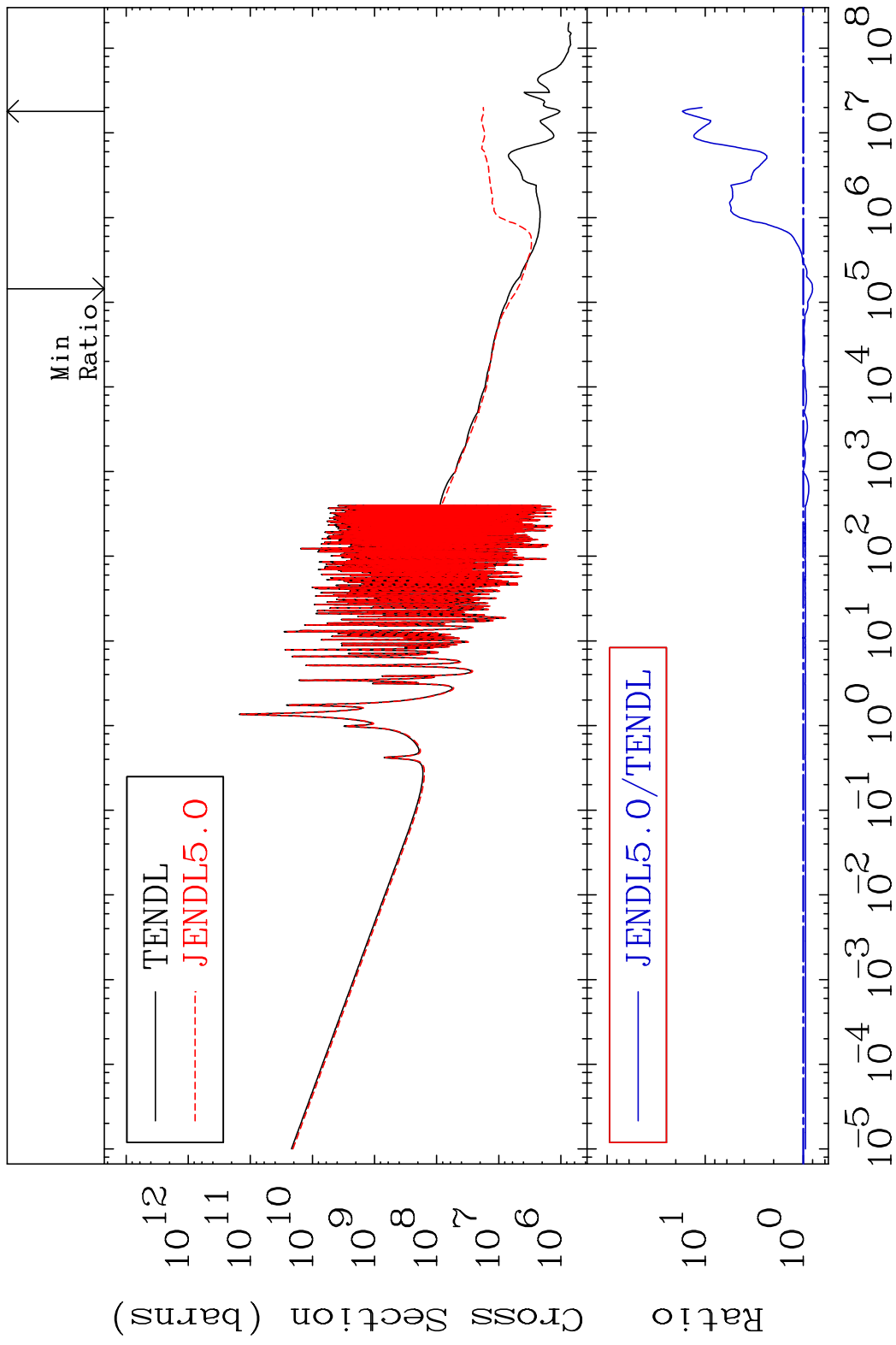


25

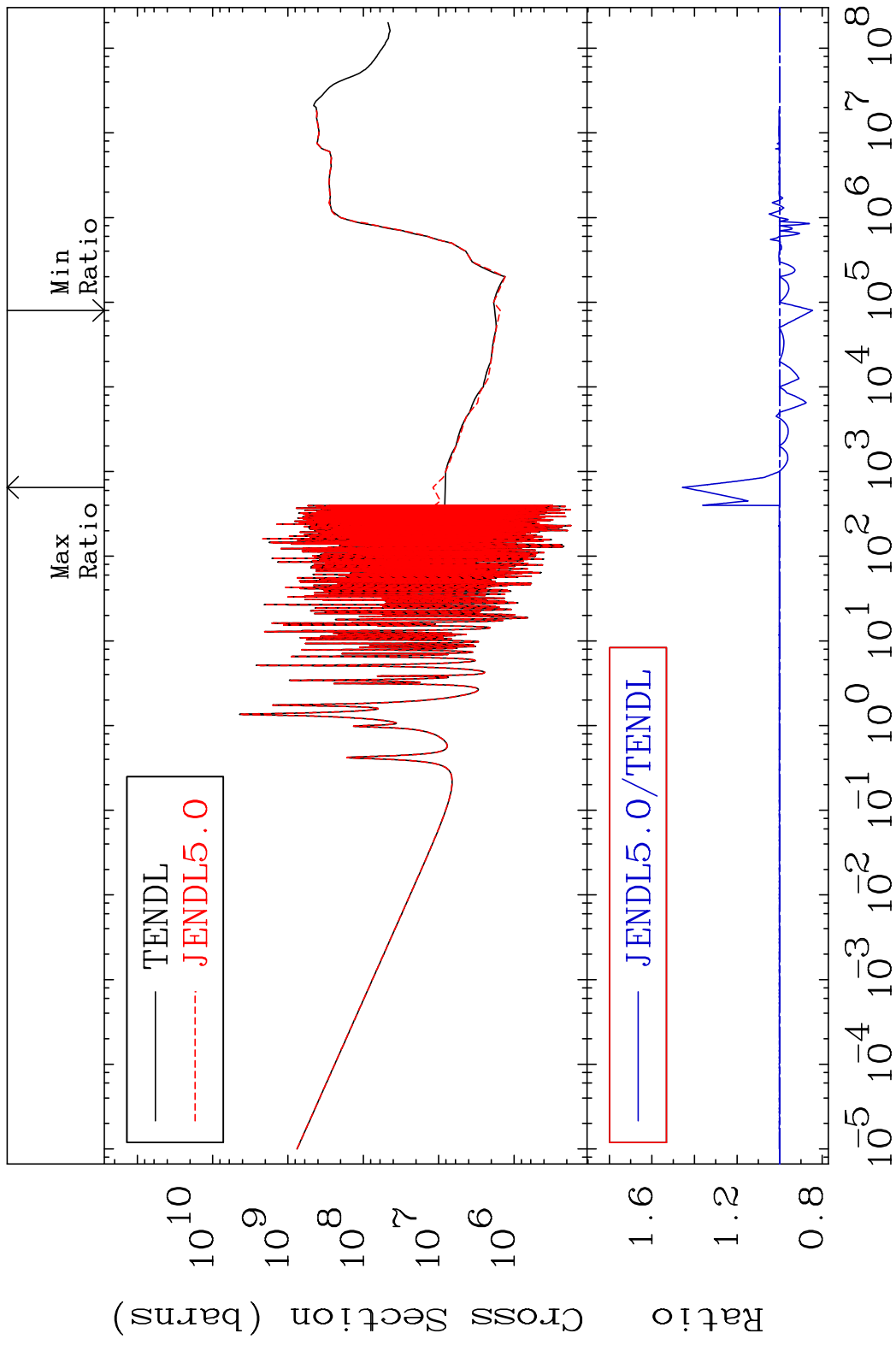
Incident Energy (eV)

95-Am-243

MAT 9549 Total photon (eV-barns) 95-Am-243  
Cross Section -19.72 To 1610. %



MAT 9549 Total kinematic kerma (high limit) 95-Am-243  
Cross Section -15.45 To 45.70 %

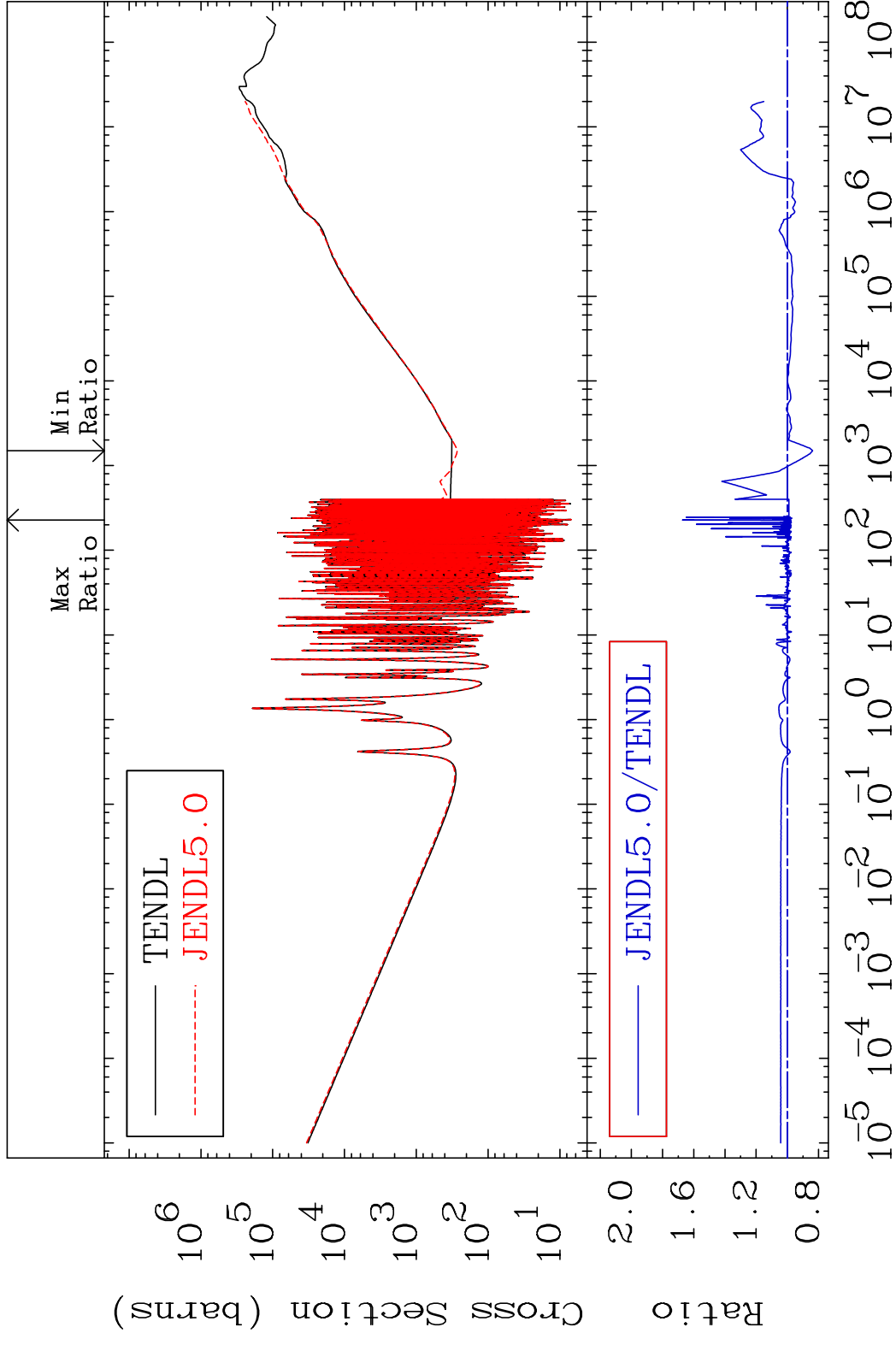


MAT 9549

Dpa total (eV-barns)

95-Am-243

Cross Section -16.17 To 67.32 %

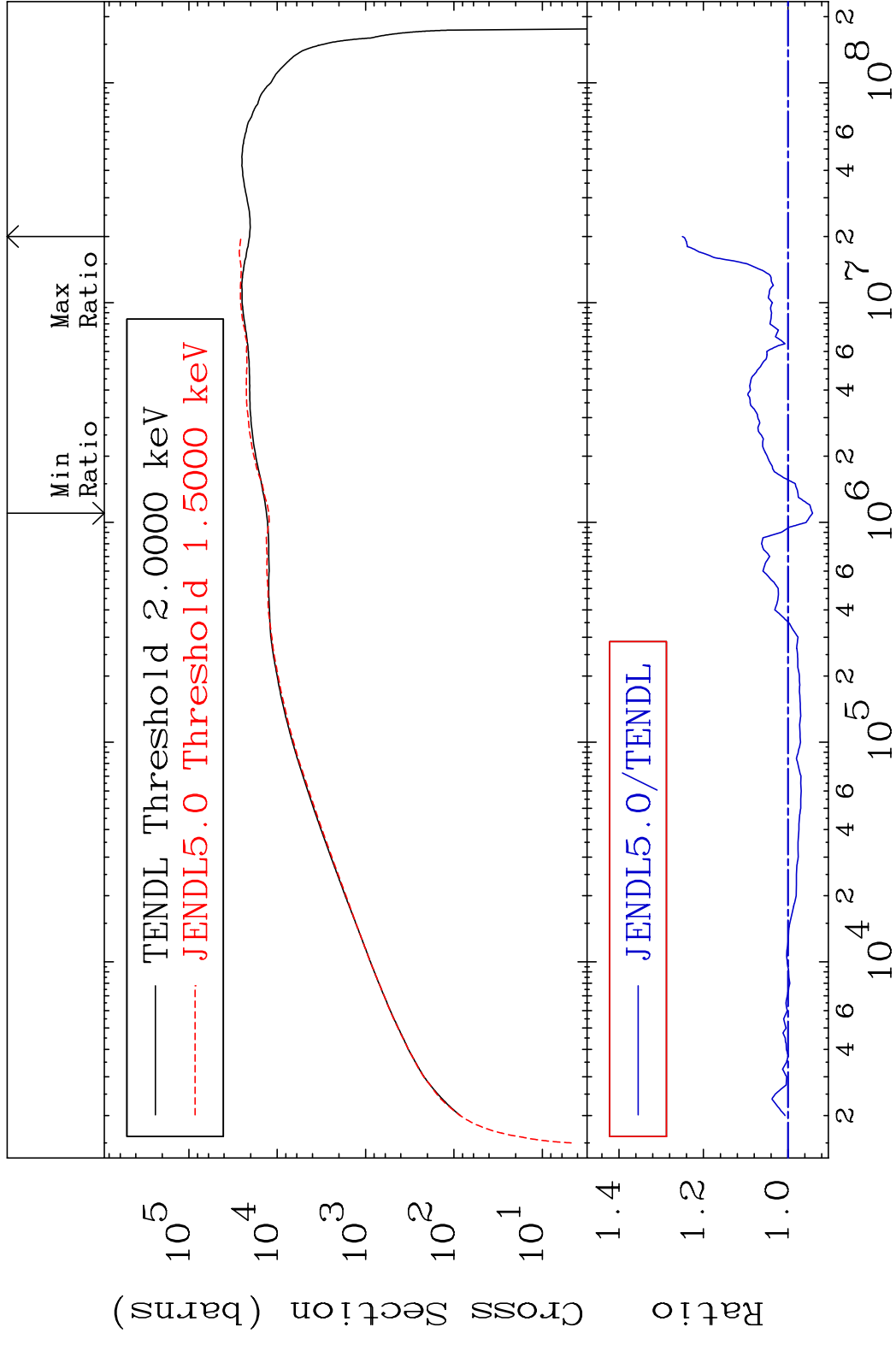


MAT 9549

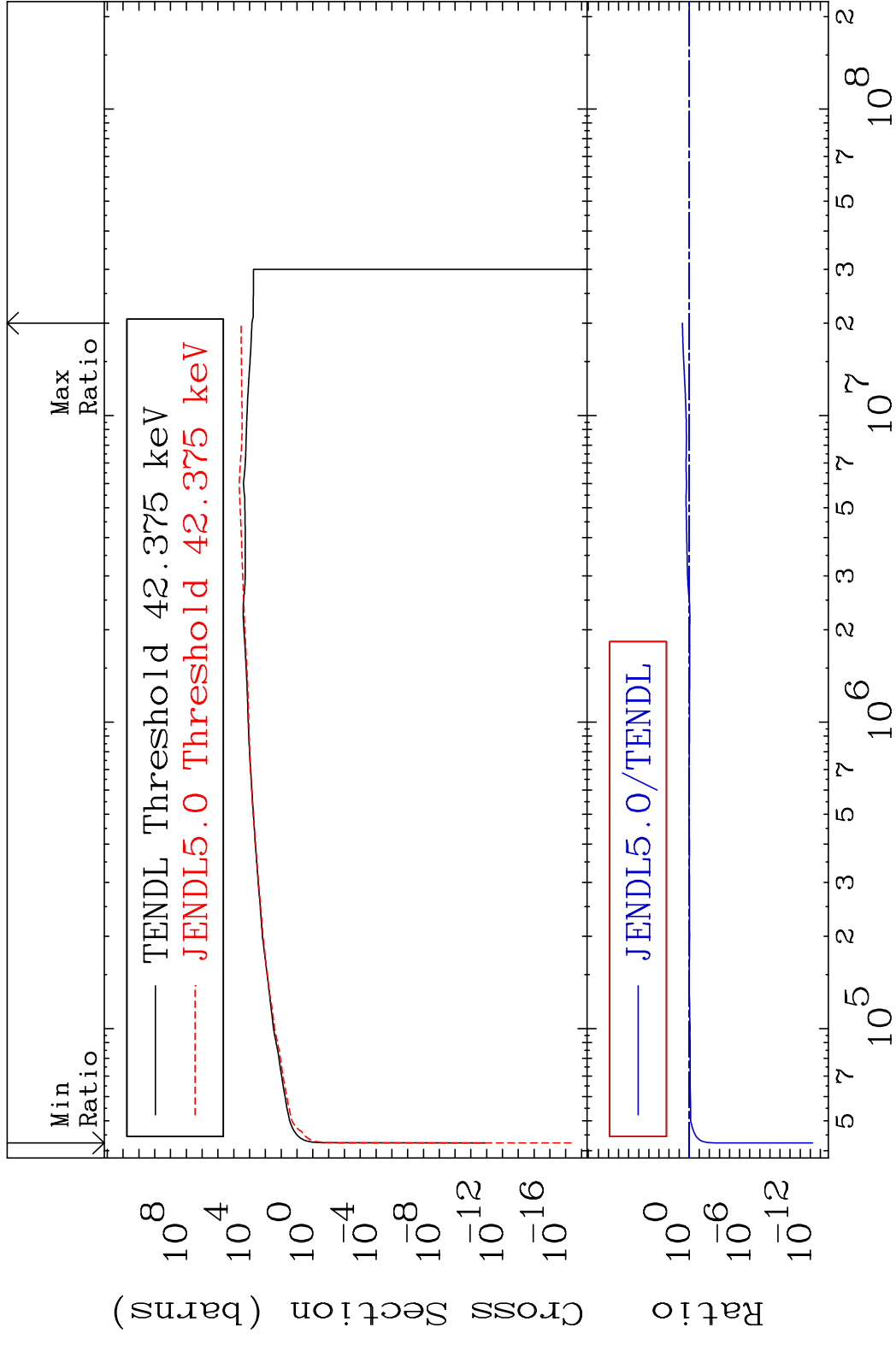
Dpa elastic (mt2)

95-Am-243

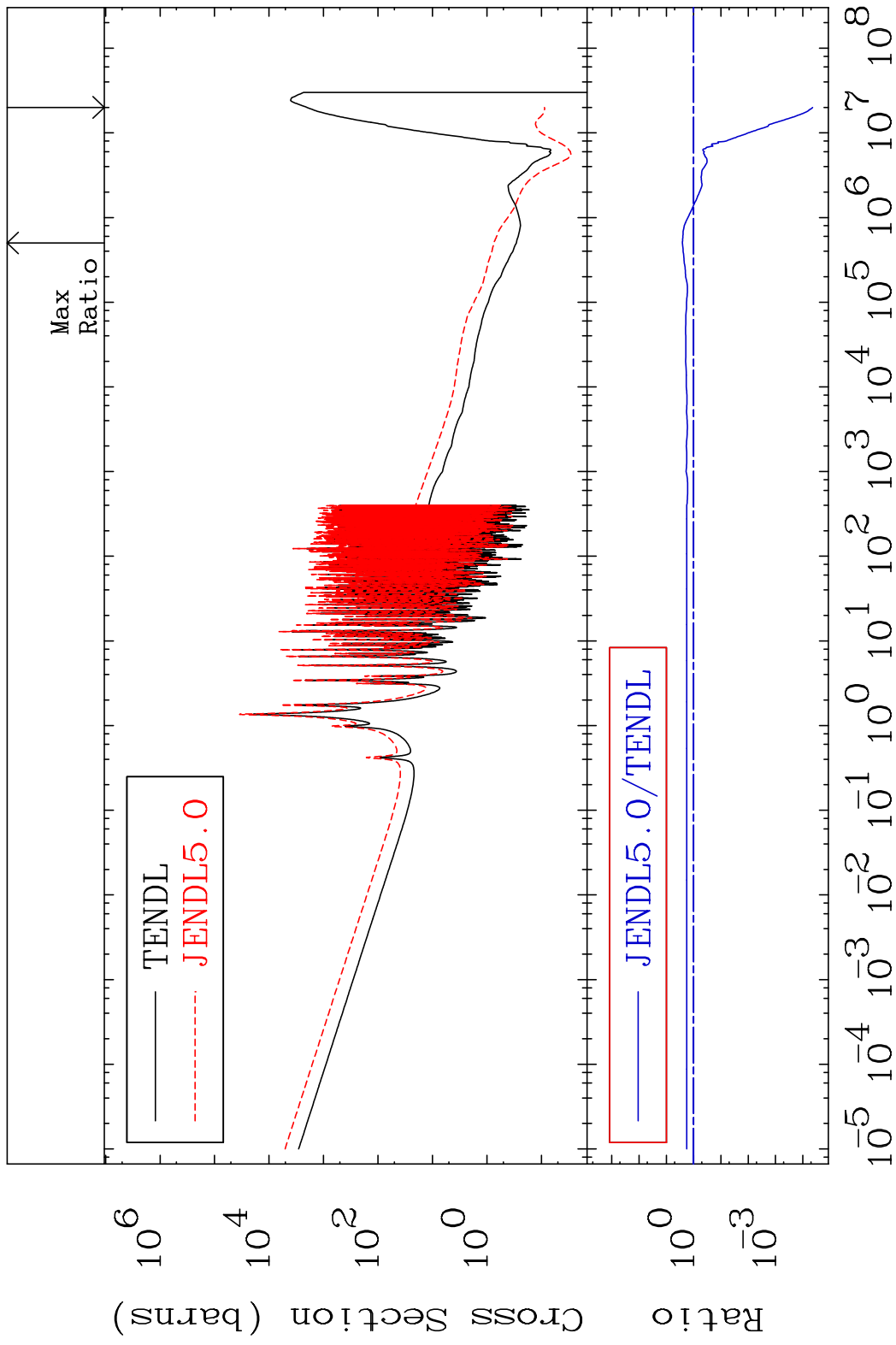
Cross Section -5.805 To 24.99 %



MAT 9549 Dpa inelastic (mt51-91) 95-Am-243  
 Cross Section -100.0 To 376.0 %

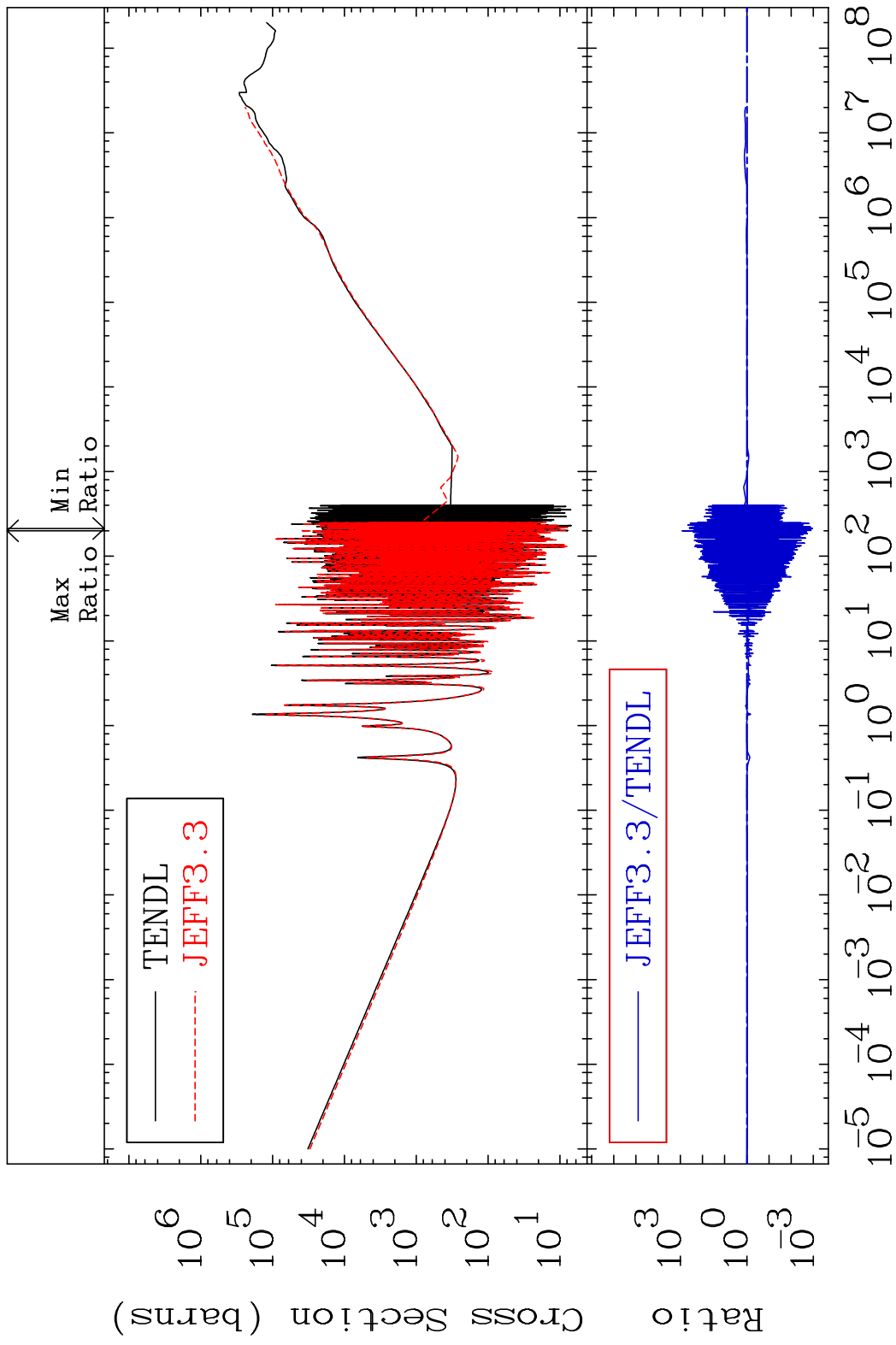


MAT 9549 Dpa disappearance (mt102 -120) 95-Am-243  
 Cross Section -100.0 To 159.0 %





MAT 9549 Dpa total (eV-barns) 95-Am-243  
 Cross Section -99.89 To 9999. %



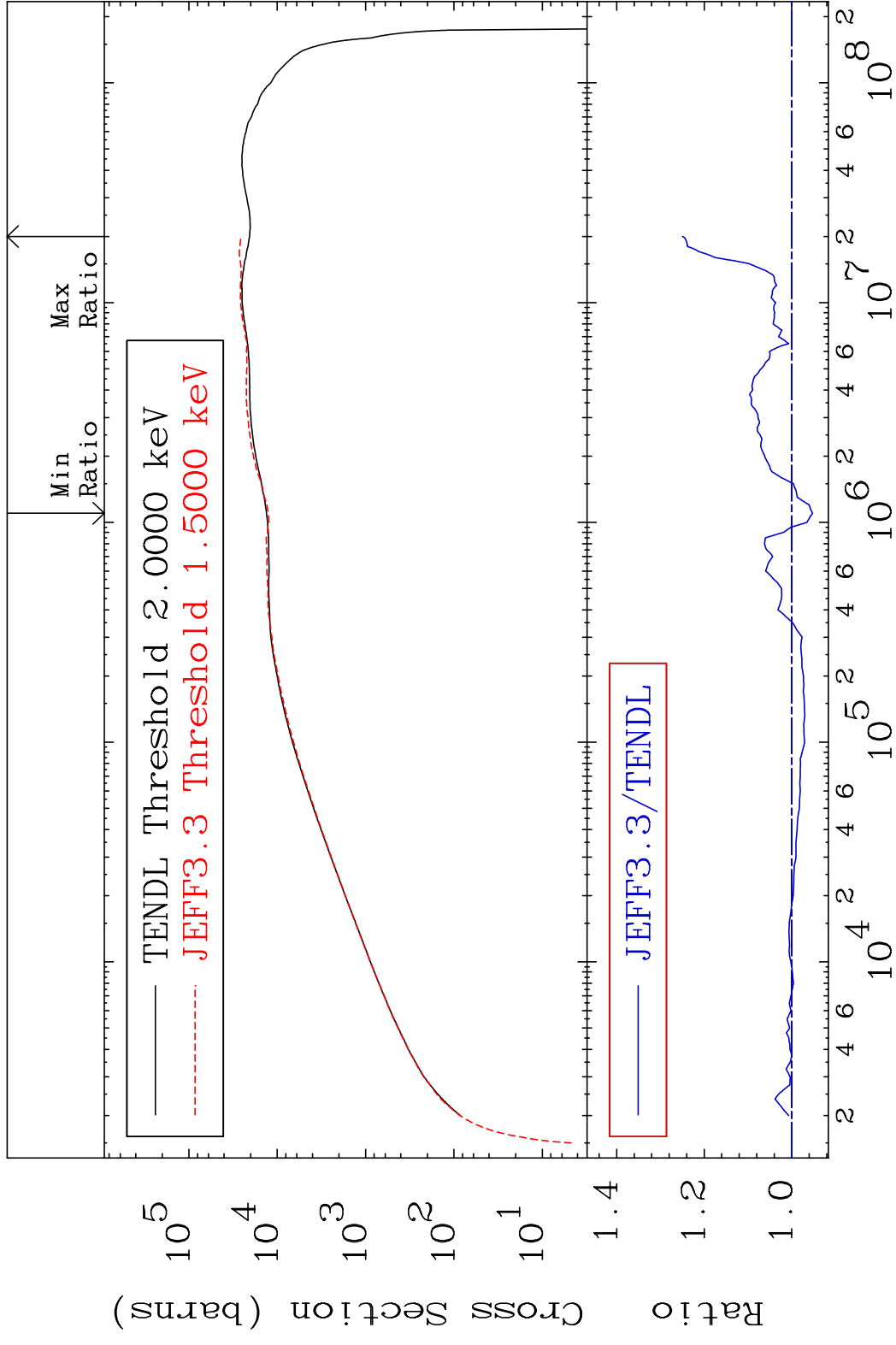
32 Incident Energy (eV) 95-Am-243

MAT 9549

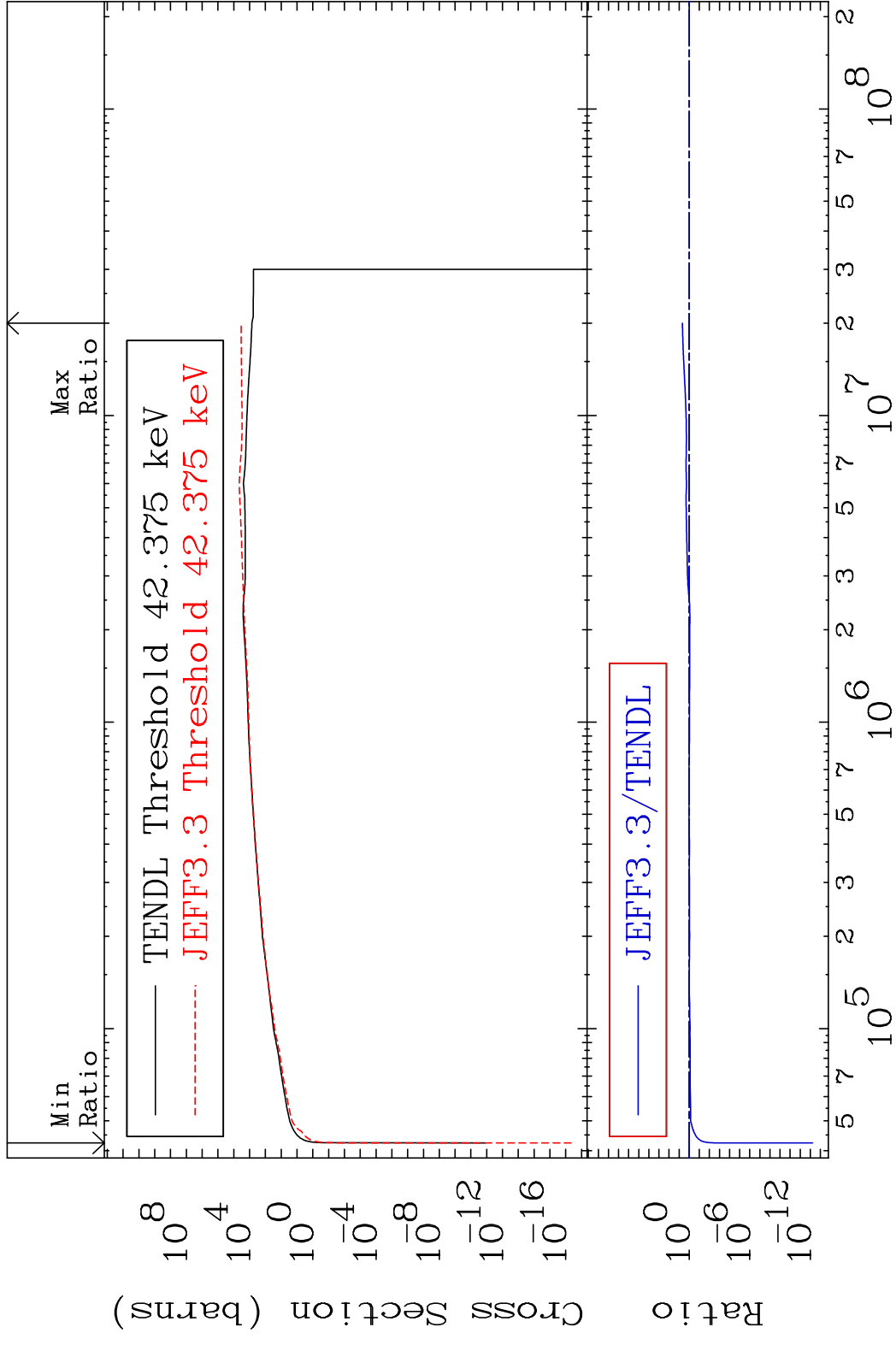
Dpa elastic (mt2)

95-Am-243

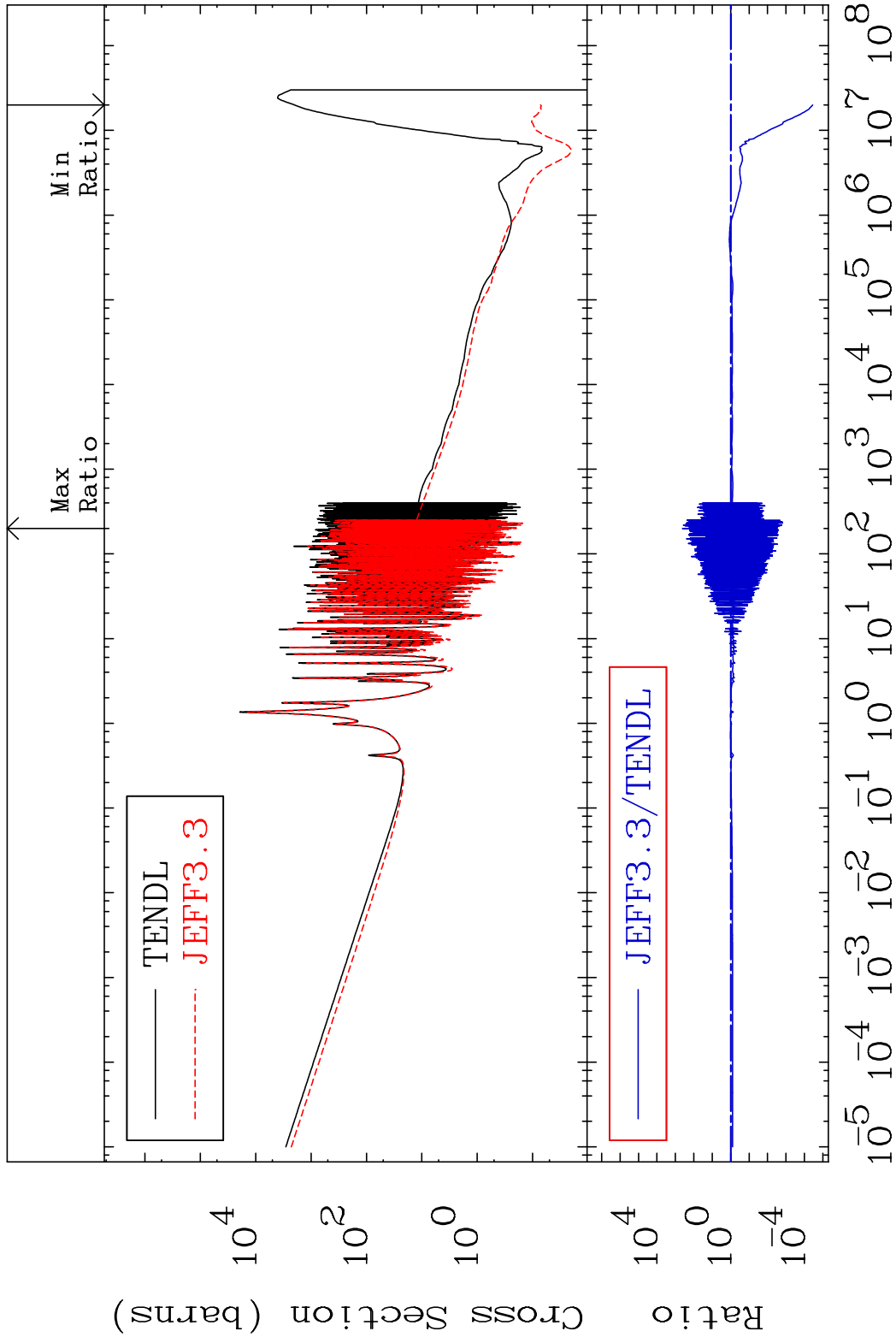
Cross Section -4.768 To 24.99 %



MAT 9549 Dpa inelastic (mt51-91) 95-Am-243  
 Cross Section -100.0 To 376.0 %



MAT 9549 Dpa disappearance (mt102 -120) 95-Am-243  
 Cross Section -100.0 To 9999. %



35 Incident Energy (eV) 95-Am-243

MAT 9549 (n, 2n): 95-Am-242m2 95-Am-243  
 Radionuclide Production Cross Section Ratio 832.0 %

